Quarterly Groundwater Monitoring Report for the First Quarter of 2005 Bodycote Thermal Processing Techni-Braze Facility 11845 Burke Street Santa Fe Springs, California

> April 4, 2005 002-10272-00-004



g. Hw SLIC # 0261 (65H)

Quarterly Groundwater Monitoring Report for the First Quarter of 2005 Bodycote Thermal Processing Techni-Braze Facility 11845 Burke Street Santa Fe Springs, California

> April 4, 2005 002-10272-00-004



April 4, 2005

002-10272-00-004

Mr. Jeffrey Hu, P.E. California Regional Water Quality Control Board, Los Angeles Region 320 West Fourth Street, Suite 200 Los Angeles, California 90013

Subject:

Quarterly Groundwater Monitoring Report for the First Quarter of 2005; Bodycote Thermal Processing, Techni-Braze Facility, 11845 Burke Street.

Santa Fe Springs, California

Dear Mr. Hu:

LFR Levine Fricke (LFR) has prepared the enclosed "Quarterly Groundwater Monitoring Report for the First Quarter of 2005" for Bodycote Thermal Processing's Techni-Braze facility located at 11845 Burke Street, Santa Fe Springs, California ("the Site"). This report documents the findings of groundwater monitoring and sampling activities conducted at the Site in response to requests made by the California Regional Water Quality Control Board, Los Angeles Region (RWQCB). The scope of work for field activities performed at the Site may be found in LFR's "Work Plan for Groundwater Monitoring and Additional Subsurface Investigation" dated June 18, 2004.

If you have questions regarding the material presented in this report or other issues concerning the Site, please call either of the undersigned at (714) 444-0111.

Sincerely,

Jennifer S. Rothman, P.E.

Senior Associate Engineer

funder A. Nothman

Jay M. Shipley, P.E.

Principal Engineer/Operations Manager

Enclosure

cc: Mr. Brian Strebing, Bodycote Thermal Processing

## **CONTENTS**

CER	TIFIC.	ATION		iii
LIMI	TATIO	ATZ ZNC	ATEMENT	v
1.0	INTI	RODUCT	NOIT	1
2.0	sco	PE OF W	VORK	1
3.0	BAC	KGROU	ND	1
	3.1	Site De	escription	1
	3.2	Geolog	y and Hydrogeology	2
		3.2.1	Geology	2
		3.2.2	Hydrogeology	2
4.0	FIEI	D ACTI	IVITIES	3
	4.1	Ground	dwater Sampling	3
5.0	ANA	LYTICA	AL METHODS AND RESULTS	3
	5.1	Ground	dwater Analytical Results	4
6.0	WAS	STE MAI	NAGEMENT	4
7.0	CON	NCLUSIO	2NC	4
8.0	REF	ERENCI	ES	4

## **TABLES**

- 1 Summary of Groundwater Elevations
- 2 Summary Groundwater Samples Analyzed for Volatile Organic Compounds (VOCs)

#### **FIGURES**

- 1 Vicinity Map
- 2 Site Plan Showing Well Locations
- 3 Site Plan Showing Groundwater Elevations of Shallow Aquifer February 17, 2005
- 4 Site Plan Showing Groundwater Elevations of Deep Aquifer February 17, 2005
- 5 PCE Data Shallow Groundwater February 2005
- 6 PCE Data Deep Groundwater February 2005
- 7 Site Plan Showing VOC Concentrations in Groundwater February 17, 2005

### **APPENDICES**

- A LFR Field Protocols
- B Groundwater Quality Sampling Information
- C Laboratory Reports and Chain-of-Custody Forms

### **CERTIFICATION**

All hydrogeologic and geologic information, conclusions, and recommendations in this document have been prepared under the supervision of and reviewed by an LFR Levine Fricke California Professional Geologist.

James P. Bryson, P.G.

Senior Associate Hydrogeologist

California Professional Geologist No. 6109



\* A professional geologist's certification of conditions comprises a declaration of his or her professional judgment. It does not constitute a warranty or guarantee, expressed or implied, nor does it relieve any other party of its responsibility to abide by contract documents, applicable codes, standards, regulations, and ordinances.

### LIMITATIONS STATEMENT

The opinions and recommendations presented in this report are based upon the scope of services, information obtained through the performance of the services, and the schedule as agreed upon by LFR Levine Fricke (LFR) and the party for whom this report was originally prepared. This report is an instrument of professional service and was prepared in accordance with the generally accepted standards and level of skill and care under similar conditions and circumstances established by the environmental consulting industry. No representation, warranty or guarantee, express or implied, is intended or given. To the extent that LFR relied upon any information prepared by other parties not under contract to LFR, LFR makes no representation as to the accuracy or completeness of such information. This report is expressly for the sole and exclusive use of the party for whom this report was originally prepared for a particular purpose. Only the party for whom this report was originally prepared and/or other specifically named parties have the right to make use of and rely upon this report. Reuse of this report or any portion thereof for other than its intended purpose, or if modified, or if used by third parties, shall be at the user's sole risk.

Results of any investigations or testing and any findings presented in this report apply solely to conditions existing at the time when LFR's investigative work was performed. It must be recognized that any such investigative or testing activities are inherently limited and do not represent a conclusive or complete characterization. Conditions in other parts of the project site may vary from those at the locations where data were collected. LFR's ability to interpret investigation results is related to the availability of the data and the extent of the investigation activities. As such, 100% confidence in environmental investigation conclusions cannot reasonably be achieved.

LFR, therefore, does not provide any guarantees, certifications or warranties regarding any conclusions regarding environmental contamination of any such property. Furthermore, nothing contained in this document shall relieve any other party of its responsibility to abide by contract documents and applicable laws, codes, regulations or standards.

### 1.0 INTRODUCTION

Bodycote Thermal Processing (Bodycote) retained LFR Levine-Fricke (LFR) to conduct quarterly groundwater sampling at Bodycote's Techni-Braze facility located at 11845 Burke Street, Santa Fe Springs, California ("the Site"; Figures 1 and 2). This report documents the results of the first quarter 2005 groundwater monitoring event for the Site.

### 2.0 SCOPE OF WORK

The purpose of this assessment was to monitor the extent of volatile organic compound (VOC)-affected groundwater at the Site. The scope of work performed during field activities may be found in LFR's "Work Plan for Groundwater Monitoring and Additional Subsurface Investigation" dated June 18, 2004. The work plan was approved by the California Regional Water Quality Control Board, Los Angeles Region (RWQCB) on June 28, 2004. Activities conducted during this assessment included groundwater elevation measurements, monitoring well purging and sampling, laboratory analysis of groundwater samples, and off-site disposal of purge water. Detailed descriptions of these activities are presented in the following sections.

### 3.0 BACKGROUND

## 3.1 Site Description

The subject property is located at 11845 Burke Street in the City of Santa Fe Springs, California, just east of the intersection of Burke Street and Dice Street (Figure 1). The Site is currently being used for industrial steel treatment activities including alloy brazing and heat treatment of metal parts using seven vacuum and five induction furnaces. Surrounding land usage includes industrial properties and parking lots.

The approximately 55,210-square-foot Site is improved with a 24,321-square-foot, two-story building that is used for office space, manufacturing, storage, and distribution. Except for the site building, the majority of the subject property is paved with asphalt. The south side of the Site along Burke Street has approximately 1,000 square feet of landscaping. Techni-Braze has been the sole occupant of the subject property since the site building was constructed in 1966. According to Techni-Braze personnel, the area was used for agricultural purposes, presumably as a walnut grove, prior to 1966.

## 3.2 Geology and Hydrogeology

### 3.2.1 Geology

Clayton Environmental Consultants (Clayton) performed a previous Phase I Environmental Assessment of the Site. According to Clayton's report dated April 22, 1991, the Site is located in the northwestern portion of the Peninsular Ranges geomorphic province of Southern California. It is situated within the Central Block of the Los Angeles Basin, a structural syncline (down fold) that filled primarily with fluvial deposits of silt, sand, and gravel. The Site is situated approximately 17 miles south of the San Gabriel Mountains and 2 miles southwest of the Puente Hills. The surface topography slopes to the south along the pathway of the San Gabriel River.

## 3.2.2 Hydrogeology

The Site is located approximately 13 miles north of the Pacific Ocean and 2 miles east and south of the San Gabriel River, at an elevation of approximately 150 feet above mean sea level (msl).

According to the hydrologic records of the Los Angeles County Department of Public Works, depth to regional groundwater in the area is approximately 65 feet below ground surface (bgs) and has a southerly to southwesterly flow direction. The flow direction may be influenced by several factors, including local pumping or injection wells operating in the area (Kleinfelder 1991).

Kleinfelder installed 9 groundwater monitoring wells in a shallow semi-perched, unconfined groundwater zone at the Site in 1991, and Mabbet Cappacio and Associates installed 4 more wells in August 1991, for a total of 13 groundwater monitoring wells in the shallow groundwater (screen depth approximately 40 feet bgs). Terravac installed three groundwater monitoring wells in a deeper groundwater zone in January 1995 (screen depth of approximately 100 feet bgs).

During the most recent round of sampling at the Site (performed on February 17, 2005), the depth to the shallow groundwater ranged from 36.96 to 39.38 feet bgs, as measured in monitoring wells MW-7 and MW-6, respectively. The depth to the deeper groundwater ranged from 42.64 to 45.40 feet bgs, as measured in monitoring wells MW-3 and MW-2, respectively.

Groundwater flow in the upper aquifer is interpreted to be generally toward the east-northeast. Variable flow directions to the north and south were also observed in the northern portion of the Site. The horizontal gradient across the middle of the Site was calculated to be approximately 0.008 feet per foot (ft/ft). Groundwater flow in the deeper aquifer is interpreted to be towards the northeast with a horizontal gradient of approximately 0.006 ft/ft.

Depth-to-groundwater measurement data for the Site are summarized in Table 1. Figures 3 and 4 illustrate groundwater elevation contours and interpreted groundwater flow directions for the shallow and deep aquifers, respectively.

### 4.0 FIELD ACTIVITIES

First quarter 2005 groundwater monitoring activities at the Site were performed on February 17, 2005. Procedures and standard protocols used to conduct these field activities are described in Appendix A.

## 4.1 Groundwater Sampling

All 16 on-site monitoring wells were gauged and sampled during this quarter. In addition, a duplicate groundwater sample was collected from well MW-14 for quality assurance purposes. The analytical results for the duplicate sample were consistent with its sample pair. An equipment blank sample was also collected during sampling activities by pouring de-ionized water through the pump and into three 40 milliliter VOAs. A low concentration of tetrachloroethene (PCE; 1.4 micrograms per liter [µg/I]) was detected in the equipment blank.

Prior to sample collection, a minimum of three well casing volumes of groundwater was purged from each well (unless the well went dry) using submersible pumps or disposable bailers. The groundwater temperature, specific conductance, and pH were monitored for stabilization during the purging process. Groundwater quality sampling information is presented in Appendix B.

A groundwater sample was collected from each well after the well was purged and the water level in the well had recovered to at least 80 percent of the original water level. Groundwater samples were collected using a clean, disposable bailer and decanted into laboratory-supplied sample containers prepared with the appropriate sample preservative. The containers were filled so that no bubbles were visible. Samples were then sealed, labeled, placed in a chilled cooler, and prepared for delivery to the analytical laboratory. Strict chain-of-custody was maintained throughout the sample handling process.

### 5.0 ANALYTICAL METHODS AND RESULTS

Groundwater samples were submitted to Sunstar Analytical Laboratory (Sunstar) of Tustin, California, for VOC analysis using EPA Method 8260B. Sunstar is certified by the California Environmental Protection Agency (Cal-EPA) for EPA Method 8260B. Copies of the laboratory data sheets for the groundwater analyses from this sampling event are included in Appendix C.

## 5.1 Groundwater Analytical Results

Various VOCs were detected at concentrations above their respective laboratory reporting limits in groundwater from the 16 wells sampled. In addition, various VOC constituents were also detected at concentrations above their respective State of California Maximum Contaminant Levels (MCLs). A summary of the analytical results is provided in Table 2. Shallow and deeper aquifer isoconcentration maps for PCE are illustrated on Figures 5 and 6, respectively. Figure 7 illustrates the locations of the monitoring wells and depicts VOC concentrations in groundwater.

### 6.0 WASTE MANAGEMENT

Groundwater produced from the monitoring wells during purging and sampling activities was collected in 55-gallon drums and transported to off-site disposal facilities on March 28, 2005.

#### 7.0 CONCLUSIONS

Compared to the last gauging and sampling event, which was performed in December 2004, groundwater elevations at the Site increased in all wells except one. Well MW-9 exhibited a decrease in groundwater elevation of 0.03 foot. For all other wells, the increase in groundwater elevations of the shallow aquifer ranged from 0.28 foot in MW-6 to 2.14 feet in MCA-1. The increase in groundwater elevations of the deep aquifer ranged from 6.8 feet in MW-3 to 7.38 feet in MW-1.

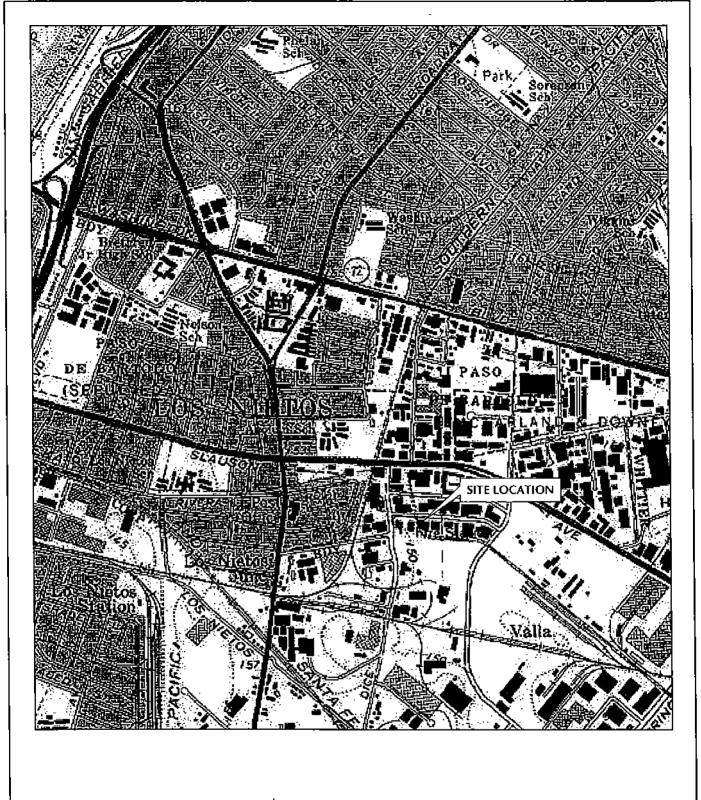
VOCs detected in groundwater samples collected at the Site include PCE, trichloroethene (TCE), 1,1-dichloroethene (1,1-DCE), 1,1,1-trichloroethane (1,1,1-TCA), 1,1,1,2-tetrachloroethane (1,1,1,2-TCA), and toluene. The highest PCE concentration (5,600  $\mu$ g/l in well MCA-4) was detected in the northwest corner of the Site, in the suspected source area on the Bodycote property (Figure 5). PCE concentrations in most wells were consistent with or less than concentrations detected in the fourth quarter of 2004. The most notable decreases were as follows:

- MCA-1: PCE decreased from 8,000 μg/l to 5,100 μg/l
- MCA-2: PCE decreased from 2,300 μg/l to 490 μg/l
- MCA-4: PCE decreased from 9,600 μg/l to 5,600 μg/l
- MW-5: PCE decreased from 2,700 μg/l to 1,200 μg/l
- MW-6: PCE decreased from 890 μg/l to 320 μg/l
- MW-10: PCE decreased from 3,100  $\mu$ g/l to 2,100  $\mu$ g/l
- MW-14: PCE decreased from 2,600 μg/l to 1,200 μg/l

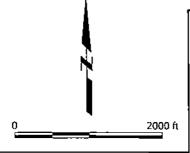
The next quarterly monitoring and sampling event at the Site is scheduled for May 2005. Our next quarterly report for the Site will be issued to the RWQCB in July 2005.

## 8.0 REFERENCES

Kleinfelder. 1991. Report – Soil Vapor Survey, Subsurface Soil Sampling and Groundwater Sampling, Techni-Braze, Inc., 11845 Burke Street, Santa Fe Springs, California. October.



■ Site

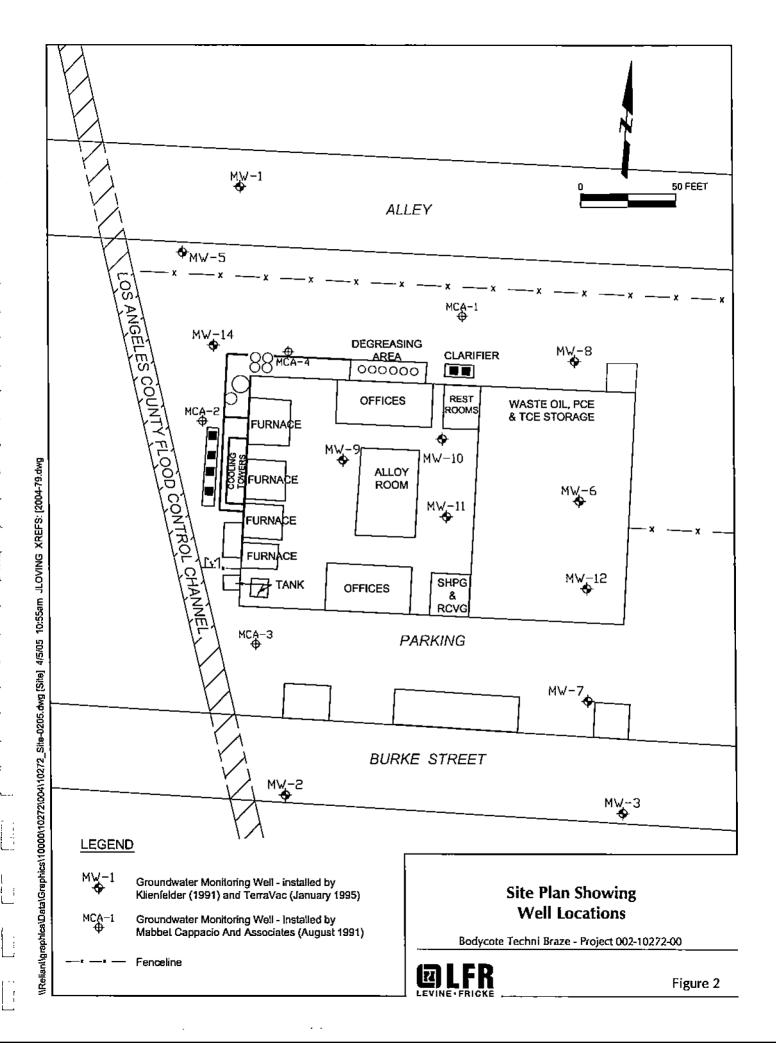


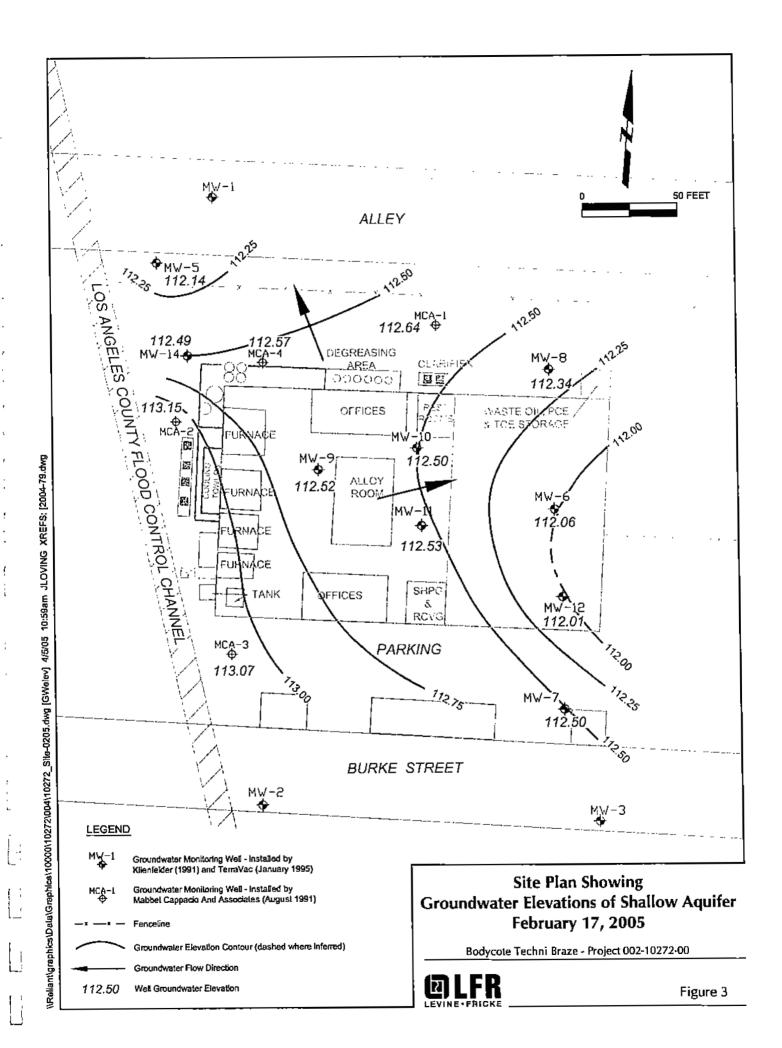
## Vicinity Map

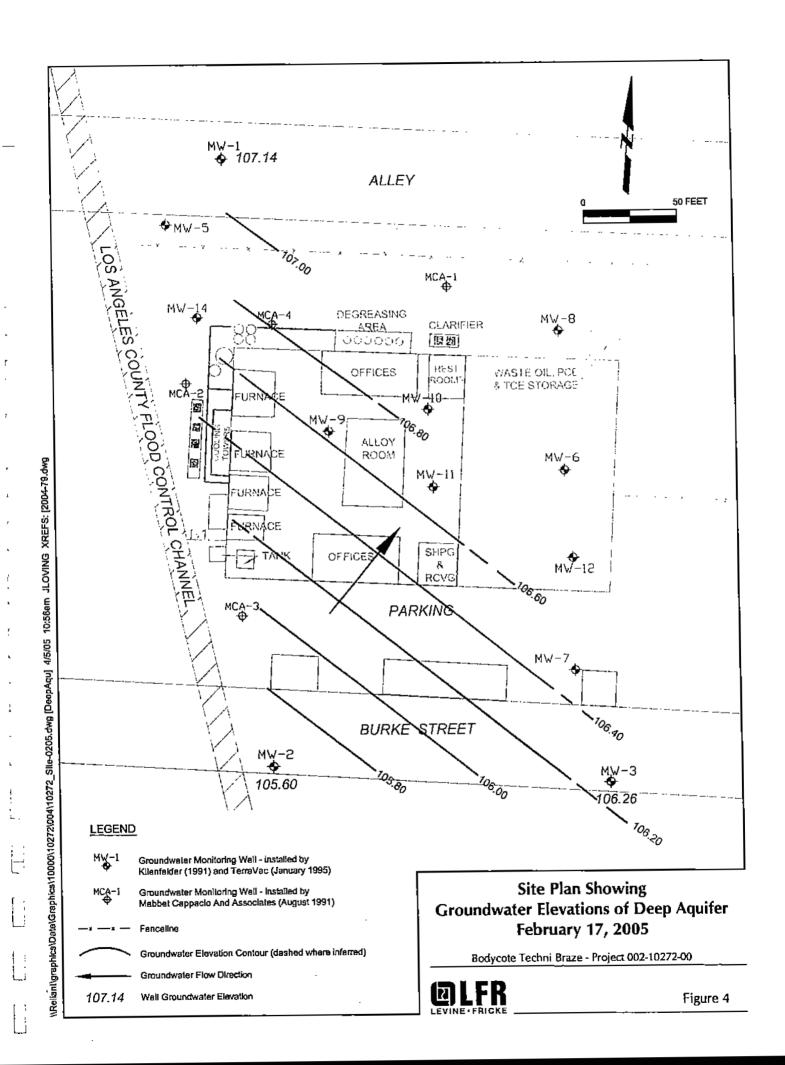
Bodycote Techni Braze - Project 002-10272-00

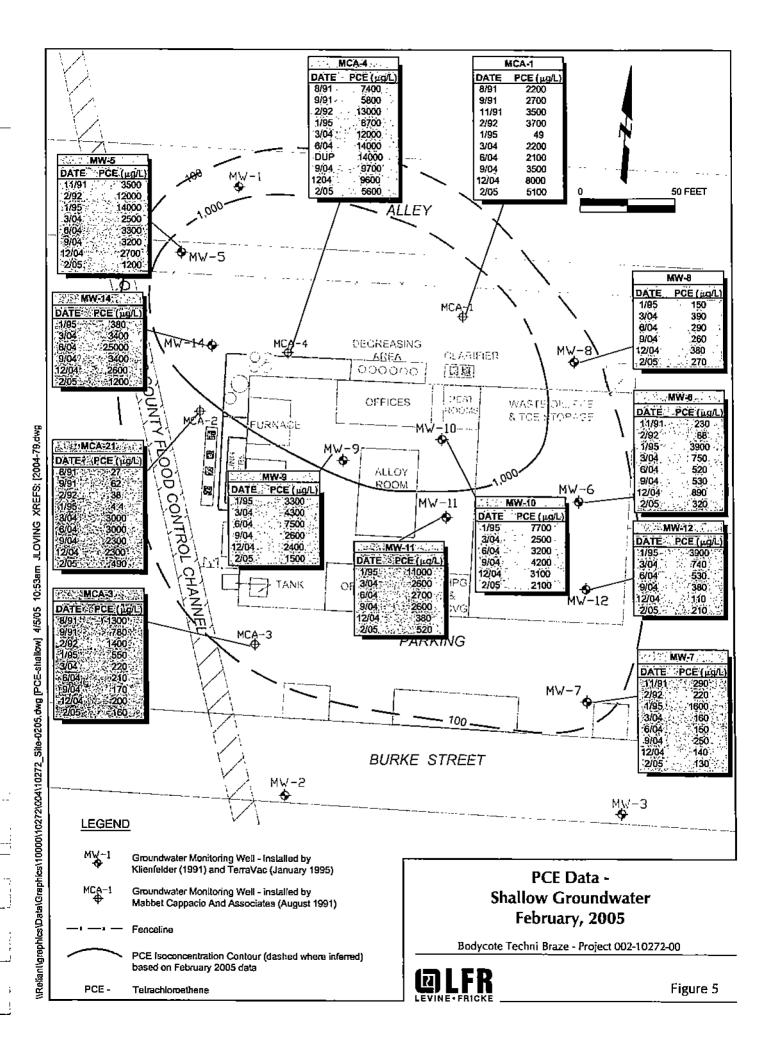


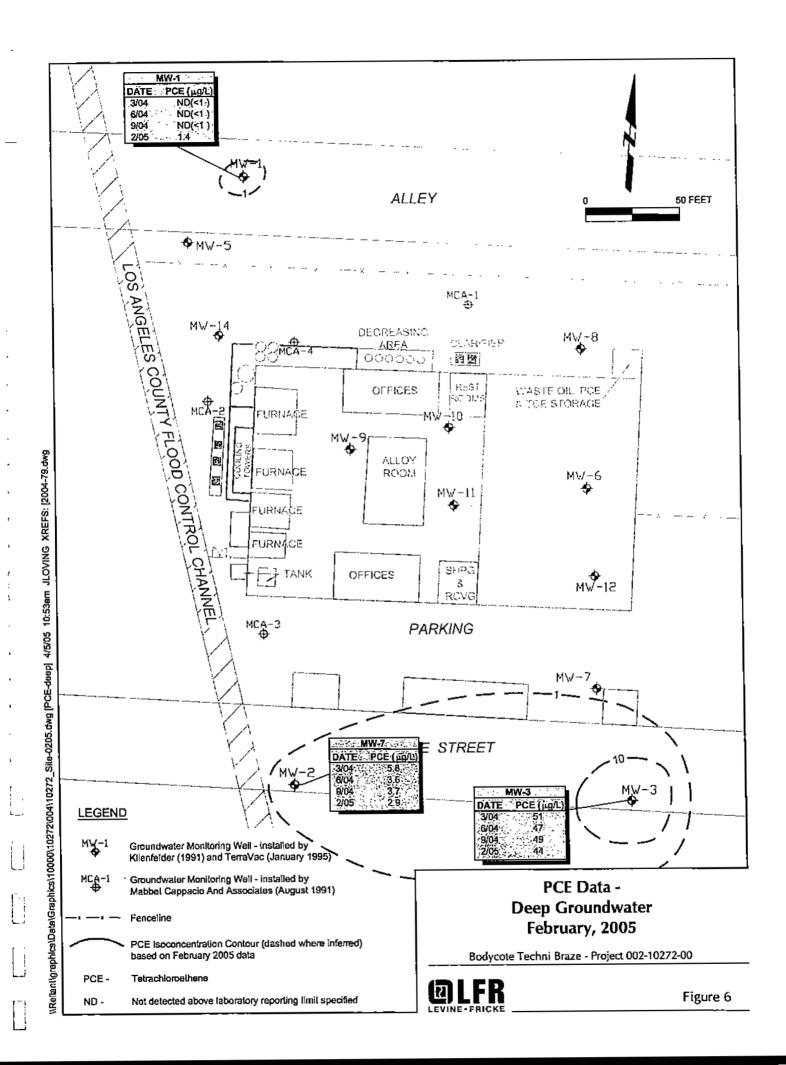
Figure 1

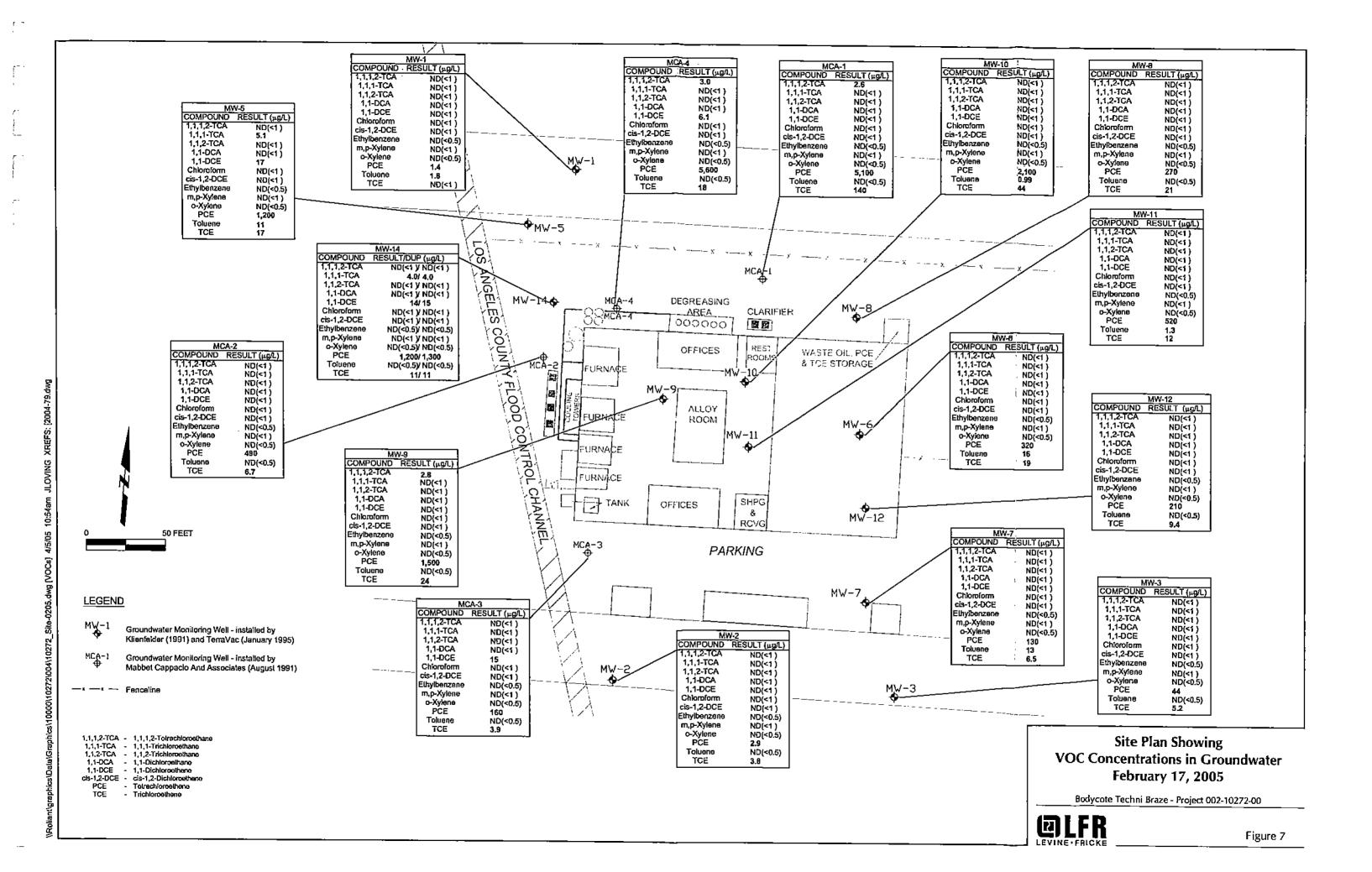












# APPENDIX A

**LFR Field Protocols** 

## **Monitoring Well Purging**

Prior to groundwater sampling, approximately three to four casing volumes of groundwater were purged from each well using a submersible pump. The groundwater temperature, specific conductance, turbidity, and pH were measured throughout the purging process. These groundwater parameters were allowed to reach relative stabilization before samples were collected, for the purpose of collecting representative groundwater samples.

## **Groundwater Sampling Equipment Cleaning**

Equipment used to develop or sample the wells was washed in a laboratory-grade detergent and/or steam cleaned prior to use in each monitoring well. For water sampling, a single-use disposable bailer and sampling spigot were used. New nylon string was tied to the bailer and lowered into the well for sampling. The bailer, sampling spigot, and nylon string were disposed of after the collection of the water sample from each sampling location.

## **Groundwater Monitoring Well Water Sampling**

Groundwater samples were collected from all wells using a disposable bailer suspended by a clean (new) length of rope. Groundwater samples were decanted from the bailer into appropriate laboratory-supplied 40-milliliter vials using a bottom decanting petcock device. The containers were sealed, labeled, and placed in a chilled cooler for delivery to the analytical laboratory. Strict chain-of-custody protocol was followed throughout the sample handling process.

#### Measurement of Groundwater Flevation

After the groundwater monitoring wells were installed, the top of each well casing was surveyed for vertical and horizontal control by a licensed California surveyor. Elevation was surveyed to the nearest 0.01 foot msl. Horizontal control was tied to a United States Geological Survey or Los Angeles County benchmark.

## **Depth-to-Groundwater Measurements**

An electronic water-level meter was used to measure the depth to groundwater to the nearest 0.01 foot in each well. Groundwater elevations were calculated and used to construct groundwater elevation contour maps from which the direction of groundwater flow and gradient may be evaluated.

# APPENDIX B

**Groundwater Quality Sampling Information** 

**Water-Level Measurements** 



	,	,
Project Number:	002-10272-00-004	Pageof
Project Name:	Bodycote technibraze	Date: 2-17-09
Project Location:	Santa Fe Springs	Day: MTW DFSS
Site Conditions/Weather:	Normae	LFR Staff: Staff BTW
Comments :		-

Well	1	Depth Meas	urements (feet belov	w measuring point)	Product	
Number	Time	Casing Depth	Depth to Product	Depth to Water	Thickness (feet)	Comments (Elevation, Condition Of Well Box, Etc.)
<del></del>	<del> </del> _					<u> </u>
					<u>-</u>	
	4 1 7 2			1	·	
my [	6:00		<del></del>	44.08		
MW 3		93.40 98.60		4540		
				2/ 9/-		
MW7		39.54	<del></del>	36.96		
MCA-3		46.14	<del></del>	39.3B	<del></del>	
MW1Z		4080	<del></del>	2934	<del>-</del>	
hw8	├┼-	41.38		38.20	<u> </u>	<del></del>
m25		48.62		39 17-		
Mw14		47.62		28.16	<del></del>	Drug
NCA-2		38.48		37.10	<del></del>	Bupycare well
MCA4		4418		38,27		
mca-		43.35		37,90		<u> </u>
nu 9		41.42		38.46		
MW 10		41.80		38-84		<del></del>
mw]	7:00	41.90		38.86		
					<del></del>	Drum inventor
					7	5-vontaz
						2-HAZ
						7 tob
·—	 					
		1			1	

Reviewed by:	Signed:	Date:



Project Number: <u>∞2-/o</u>						Pageof
Project Name: <u>BoDy/co</u> Project Location: <u>S</u>	5TE 7	TECHNI.	BR	aze.	·	Date: 2-17-05
Project Location:	NTA F	ESPR.	NE	ــــــــــــــــــــــــــــــــــــــ		Day: MTW/fh/FSS
Site Conditions/Weather:			<u>-</u> _			LFR Staff: BTW SEL
Comments :	·					<u> </u>
SAMPLING METHOD	-					MW5-021705
Centrifugal Pump		Disposable E	Bailer			imple Number:
Submersible Pump		Teflon Baller				FB:
Hand Ball		(other)				DUP:
Analysis Requested	Nui	mber and Typ			d <u> </u>	<del></del>
B260 B	<u> </u>	<u>300A</u>		-	.	Calculation Area
	<u> </u>				· ਜ	eight of water column = Depth to water =
Method of shipment		Courier				•
SUNSTAIN	=	Hand Deliver			. }	
(lab name)					ĺ	, riin
Well Number: MW5	Wa	Il Diameter:_	4	/		
Depth of Water: 37 22	'''	2" (0.16		feet)		
Wall Danthe 11002			_			
Well Depth: 4802	<del></del>	(0.65 g	gallon/1	reet)		
Height of Water Column: 6.5	3	5" (1.02	gallon/ (	feet)		
Wolume in Well: (gallons) 5.	1	= '	gallon/ (	feet)		80% DTW
Height of Water Column: 6.5	1	5" (1.02	gallon/ (	feet)		80% DTW
Wolume in Well: (gallons) 5.	1	5" (1.02 ) 6" (1.47 )	gallon/ (	feet) feet)	Turbidity (N7U)	Remarks
Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) /7  Time Depth to Water Purged (gallons)	Totalizer	5" (1.02 ) 6" (1.47 )	gallon/f gallon/f	feet) feet) Y/gôo Cond. ma/cm	Turbidity	Remarks
Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) / 7	Totalizer	5" (1.02 ) 6" (1.47 )	gallon/ ( gallon/ (	feet) feet) Y/gôo Cond. ma/cm	Turbidity	Remarks
Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) /7  Time Depth to Water Purged (gallons)  1/34 5.7	Totalizer	5" (1.02) 6" (1.47) Temperature 71.7	pH 7.42	reet)  Y/80  Cond. ms/cm  /.27	Turbidity	Remarks
Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) /7  Time Depth to Water Purged (gallons)  1/34 5.7	Totalizer Reading	5" (1.02) 6" (1.47) 71.7 72.0 77.4	pH 7.42 7.17 7.18	feet)  Y/000  Cond. ms/cm  /.27	Turbidity (NTU)	
Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) /7  Time Depth to Water Purged (gallons)  1/30  5.7	Totalizer Reading	5" (1.02) 6" (1.47) Temperature 71.7	pH 7.42 7.17 7.18	reet) (reet) (Y/800) (Cond. ma/cm (1.27) (1.23) (1.21)	Turbidity (NTU)	Remarks
Height of Water Column: 6.8 Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) / 7  Time Depth to Water Purged (gallons) // 30 // 32	Totalizer Reading	5" (1.02)   6" (1.47)   Temperature   71.7   12.0   71.4	pH 7.42 7.17 7.18	reet) (reet) (Y/800) (Cond. ma/cm (1.27) (1.23) (1.21)	Turbidity (NTU)	Remarks
Height of Water Column: 6.8 Volume in Well: (gallons) 5.3 Well Volumes: (gallons) /7  Time Depth to Water Purged (gallons)  1.34 5.7 1.34 1.35 1.00	Totalizer Reading	5" (1.02)   6" (1.47)   Temperature   71.7   12.0   71.4	pH 7.42 7.17 7.18	reet) (reet) (Y/800) (Cond. ma/cm (1.27) (1.23) (1.21)	Turbidity (NTU)	Remarks
Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) /7  Time Depth to Water Purged (gallons)  1.30  5.7  1.34  5.7  1.36  1.36	Totalizer Reading	5" (1.02)   6" (1.47)   Temperature   71.7   12.0   71.4	pH 7.42 7.17 7.18	reet) (reet) (Y/800) (Cond. ma/cm (1.27) (1.23) (1.21)	Turbidity (NTU)	Remarks
Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) /7  Time Depth to Water Purged (gallons)  1.30  5.7  1.34  5.7  1.36  1.36  1.37	Totalizer Reading	5" (1.02)   6" (1.47)   Temperature   71.7   12.0   71.4	pH 7.42 7.17 7.18	reet) (reet) (Y/800) (Cond. ma/cm (1.27) (1.23) (1.21)	Turbidity (NTU)	Remarks
Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) /7  Time Depth to Water Purged (gallons)  1.30  5.7  1.34  5.7  1.36  1.36  1.37	Totalizer Reading	5" (1.02)   6" (1.47)   Temperature   71.7   12.0   71.4	pH 7.42 7.17 7.18	reet) (reet) (Y/800) (Cond. ma/cm (1.27) (1.23) (1.21)	Turbidity (NTU)	Remarks
Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) /7  Time Depth to Water Purged (gallons)  1.30  5.7  1.34  5.7  1.36  1.36  1.37	Totalizer Reading	5" (1.02)   6" (1.47)   Temperature   71.7   12.0   71.4	pH 7.42 7.17 7.18	reet) (reet) (Y/800) (Cond. ma/cm (1.27) (1.23) (1.21)	Turbidity (NTU)	Remarks
Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) /7  Time Depth to Water Purged (gallons)  1.30  5.7  1.34  5.7  1.36  1.36  1.37	Totalizer Reading	5" (1.02)   6" (1.47)   Temperature   71.7   12.0   71.4	pH 7.42 7.17 7.18	reet) (reet) (Y/800) (Cond. ma/cm (1.27) (1.23) (1.21)	Turbidity (NTU)	Remarks
Volume in Well: (gallons) 5.  3 Well Volumes: (gallons) /7  Time Depth to Water Purged (gallons)  1/30  5.7  1/34  1/36  1/00	Totalizer Reading	5" (1.02)   6" (1.47)   Temperature   71.7   12.0   71.4	pH 7.42 7.17 7.18	reet) (reet) (Y/800) (Cond. ma/cm (1.27) (1.23) (1.21)	Turbidity (NTU)	Remarks



Projec	t Number	: <u>02-102</u>	272.0	- 004		·		Pageof
Projec	t Name:_	BOUYCO	TE 7	ECHNI.	1812	<u> </u>	·	Date: 2-17-05
Projec	:t Location	BODYCO	TA F	= SPRI	NE		- 	Day: MTW fh FSS
	• .	Weather:			_		<del></del>	LFR Staff: BTW SEL
Comn	nents:							·
					<del>-                                    </del>			
	LING MET			_			-	MW6-02/705 ample Number:
	ptrifugal		=	Disposable B			58	
=	ıbmersible	e Pump	H.	Feflon Baller				] FB:
∐ ,H≀	and Ball		· LJ	other)				DUP:
Anat	ysis Requ	ested	Ицг	nber and Typ	es of E	Bottle Use	d .	
	B260	_ <i>.</i> B		3 VOA				Calculation Area
							н	eight of water column ≈
			<del></del>					Depth to water ≖
	od of ship		_	ourler				
70b	ע <i>ע 51.</i> 18Me)	no	_ □46	and Deliver		-		
-					41	. (		, 1612
Well	Number:_	MW 6	We!	l Diameter:			- 1	
Dept	h of Water	1: 37.38		2" (0.18)			1	
Well	Depth:	4614 or Column: 39	<del>78-</del> 4.76	4" (0.65	gailon/ i	feet)	1	
Aoin	nt of wate me in Wel	l: (gallons) 4.4	<u> </u>	[ 5" (1.02 (			- {	·
3 We	il Volume:	s: (gallons) /3/	<u>.z</u>	Ü, (	Bana	xroo	L	80% DTW
Time	Depth	Volume	Totalizer	Temperature	рН	Cond.	Turbidity	Remarks
	to Water	Purged (gallons)	Reading /	, F		/ 3//	(UTU)	
10:55	<del></del>		<del>  /</del>			1.34	/-	STATIC LT CLOWDY  CLOWDY  PUMPED DAY STOP
12:50		4.4 <sup>M</sup>	<u> </u>	74.6		/.33		CLary
1601		8.0		<u> 73.7</u>	7.15	1.3/		Pumped Day STOP
		•	KETK	COUR	j .		· \.	·
		!	/					
11:15		SThank	20-17		<b>-</b>	<del> </del>		
7,117	_	Stamp	re -	حسب	<del> </del>	<b>-</b>		
<del> </del>			<b> </b> -	<b> -</b>	<del> </del>	<u> </u>		<del> </del>
			<del> </del>	<del> </del>	<del> </del>			<del>                                     </del>
					<u> </u>			
				ļ		<u></u>		
				I				[
Inlet I	Depth:			<del></del> -	4	·		<del></del>
	-			6:				Date:
veAl6A	ved by:			Signed: _				pa(6:



	er: <u>002-103</u>		Pageof				
roject Name:	BOUYCO on: <u>59</u> 4	TE 7	ECHNI	-16n	9 25		Date: 2-17-05
Project Location	on:	UTA F	e Spri	WE,			Day: MTW The FSS
Site Condition	s/Weather:	<u> </u>	<del></del>				LFR Staff: BTW SEL
Comments : _		<u></u>		·· -			
<del>.</del>		· · · · ·		<del></del>			
SAMPLING ME						<b>5</b> -	MW7-02/705
Centrifuga	-		Bisposable E				mple Number:
Submersib	ols Pump	닖,	Tefion Baller		•		FB:
Hand Ball		□;	(other)	<del></del>			DUP:
Analysis Req			nber and Typ				
	). <i>[]</i>	·i	3 VOA		<u>.</u>		Calculation Area
						He	eight of water column =  Depth to water =
						1.	Paket to Marai
Method of shi	-	_	Courier				
(lab name)	THOU	_ []	fand Deliver		-	1	
	<u> </u>				//		, (Er.
Well Number:	mw7	Wei	II Diameter:_	4	<u>.</u>		
Depth of Wate	er: <u>36.5</u> C		□ 2" (0.16 (	galion /	1 <del>80</del> 1)		
	47.68		<b>□ A</b> <sup>**</sup> (0.65)	_	-	1	
	ter Column: <u>/0-7</u> ell: (gallons) <u>7</u>		5" (1.02 (	_	-		
AOTOTION ILLE	и. (Ваноня) <u> — с —                                 </u>	<del></del>	6" (1.47	Aciinia i	Α.		80% DTW
3 Well Volume	es: (galions) $2/$		ī.		-//0		
3 Well Volume	es: (galions) 2/	<del>,</del> _	Temperature		(1000 Cond.	Turbidity	Banada .
3 Well Volume Time Depth to Water	Volume	Totalizer Reading	<del></del>		Cond, may cm	Turbidity (NTU)	Remarks
3 Well Volume	Volume Purged (gallone)	Totalizer	72.8	рн 7./8	Cond,		
3 Well Volume Time Depth to Water	Volume	Totalizer	<del> </del>		Cond, ms/cm 1.44		
3 Well Volume Time Depth to Water	Volume Purged (gallone)	Totalizer Reading	72.8 73.1 73.6	7.18 7.05 7.28	Cond. mayem 1.44 /.31 1.42		
3 Well Volume Time Depth to Water	Volume Purged (gallone)	Totalizer Reading	72.8		Cond, ms/cm 1.44	(NTU)	ROMANNOS STATIC CLOOK TURBIU
3 Well Volume Time Depth to Water	Volume Purged (gallone)	Totalizer Reading	72.8 73.1 73.6	7.18 7.05 7.28	Cond. ma/cm 1.44 1.31 1.42 1.44	(NTU)	
3 Well Volume    Depth to Water	Volume Purged (gallons)  7  19  21	Totalizer Reading	72.8 73.1 73.6	7.18 7.05 7.28 7.32	Cond. ma/cm 1.44 1.31 1.42 1.44	(NTU)	
3 Well Volume Time Depth to Water  0.15  0.18  0.25	Volume Purged (gallone)	Totalizer Reading	72.8 73.1 73.6	7.18 7.05 7.28 7.32	Cond. ma/cm 1.44 1.31 1.42 1.44	(NTU)	
3 Well Volume Time Depth to Water	Volume Purged (gallons)  7  19  21	Totalizer Reading	72.8 73.1 73.6	7.18 7.05 7.28 7.32	Cond. ma/cm 1.44 1.31 1.42 1.44	(NTU)	
3 Well Volume Time Depth to Water  0/5  0/8  0/25	Volume Purged (gallons)  7  19  21	Totalizer Reading	72.8 73.1 73.6	7.18 7.05 7.28 7.32	Cond. ma/cm 1.44 1.31 1.42 1.44	(NTU)	
3 Well Volume Time Depth to Water  0.15  0.18  0.25	Volume Purged (gallons)  7  19  21	Totalizer Reading	72.8 73.1 73.6	7.18 7.05 7.28 7.32	Cond. ma/cm 1.44 1.31 1.42 1.44	(NTU)	
3 Well Volume Depth to Water 015 018 0122	Volume Purged (gallons)  7  19  21	Totalizer Reading	72.8 73.1 73.6	7.18 7.05 7.28 7.32	Cond. ma/cm 1.44 1.31 1.42 1.44	(NTU)	



975 36 17 70.1 7.39 1.29 CEAN 1935 74 70.3 1.33 1.29 - CLEAN	Project Name: BOUYCOTE TECHNI-16ra 2E  Project Location: SANTA FE SALINES Day: M T W In F  Ske Conditions/Weather: LFR Staff: BTW /S  Comments:  SAMPLING METHOD	\$ \$ \$
SAMPLING METHOD  Centrifugal Pump  Submersible Pump  Teffion Bailer  Teffion Bailer  Cother)  Analysis Requested  Buller  Method of shipment  Method of shipment  Method of shipment  Well Number:  Well Number:  Well Number:  Well Depth:  We	SAMPLING METHOD  Centrifugal Pump  Sample Number:  Cother)  Analysis Requested  BYLO  Method of shipment  Well Number:  Well Number:  Well Number:  Well Number:  Well Depth:  ABLO  Well Depth:  Well D	S S
Ste Conditions/Weather:  Comments:  SAMPLING METHOD  Centrifugal Pump  Submersible Pump  Tefion Baller  Gother)  Analysis Requested  Buller  Number and Types of Bottle Used  3 UOA  Calculation Area  Height of water column =  Depth to water =  Well Dameter:  Well Depth:  Well Depth:  Well Volume in Well: (gallons)  Well Volumes: (gallons)  Well Volumes: (gallons)  Well Volumes (gallons)  Time Depth:  Depth Cond, Turbicity  Remarks	SAMPLING METHOD  Centrifugal Pump  Sample Number:  Teffon Baller  Cother)  Analysis Requested  By Leo B  Calculation Area  Height of water column =  Depth of Water:  Well Number:  Well Number:  Well Depth:  Sample Number:  FB:  Dup:  Calculation Area  Height of water column =  Depth to water =  Well Depth:  Well Depth:  Well Depth:  Well Depth:  Well Depth:  Simple Number:  Dup:  Calculation Area  Height of water column =  Depth to water =  Well Depth:  Well Depth:  Well Depth:  Simple Number:  Dup:  Calculation Area  Height of water column =  Depth to water =  Well Depth:  Simple Number:  Dup:  Calculation Area  Height of water column =  Depth to water =  Well Depth:  Simple Number:  Depth to water =  Well Depth:  Simple Number:  Depth to water =  Well Depth:  Simple Number:  Simple Number:  Depth to water =  Well Depth:  Simple Number:  Depth to water =  Well Depth:  Simple Number:  Depth to water =  Depth to water =  New DTW  Simple Number:  Simple Number:  Depth to water =  Depth	
SAMPLING METHOD  Centrifugal Pump  Sample Number:  Sample Number:  FB:  DUP:  Analysis Requested  Analysis Requested  Button Area  Height of water column =  Depth to water =  Well Number:  Well Number:  Well Number:  Well Depth:  Sample Number:  FB:  DUP:  Calculation Area  Height of water column =  Depth to water =  Depth to water =  Well Diameter:  2" (0.65 gallon / feet)  Well Depth:  Sow DTW  Sow DTW  Time Depth:  Depth of Water:  Depth of Water:  Volumes: (gallons)  Well Volumes:  Sample Number:  FB:  DUP:  Calculation Area  Height of water column =  Depth to water =  Depth to water =  Well Diameter:  2" (0.16 gallon / feet)  Sow DTW  Sow DTW  Remarks	SAMPLING METHOD    Centrifugal Pump	
Centrifugal Pump	Centrifugal Pump	
Centrifugal Pump	Centrifugal Pump	
Submersible Pump	Submersible Pump	
Hand Bail   Gother   DUP:   DUP:     Analysis Requested   Number and Types of Bottle Used   3 UOA   Calculation Area     Height of water column = Depth to water =     Method of shipment   Courier   Hand Deliver   Hand Deliver     Well Number:   M W 3   Well Diameter:   2" (0.16 gallon / feet)     Well Depth:   98.60   4" (0.65 gallon / feet)   4" (0.65 gallon / feet)     Height of Water Column:   55.50   5" (1.02 gallon / feet)     Well Volume in Well: (gallons)   36   5" (1.47 gallon / feet)     Well Volumes: (gallons)   OS   Semantic   Purposed (callons)   Reading	Hand Bail   Gother)   DUP:     Analysis Requested   Number and Types of Bottle Used   3 UOA   Calculation Area     Height of water column = Depth to water =     Well Number:   M W 3   Well Diameter:     2" (0.16 gallon / feet)     Well Depth:   GE GO	
Analysis Requested  ### Calculation Area    Calculation Area   Height of water column =	Analysis Requested  ### Calculation Area    Calculation Area   Height of water column =	
Calculation Area	Calculation Area	<del></del>
Helight of water column =  Depth to water =  Method of shipment  (lab name)  Well Number:  Depth of Water:  42.64  Well Dlameter:  2" (0.16 gallon / feet)  Well Depth:  4" (0.65 gallon / feet)  Helight of Water Column:  55.56  Volume in Well: (gallons)  Well Volumes: (gallons)  Time Depth  Depth Volume  Depth of Water Column  5" (1.02 gallon/ feet)  Now DTW  Remarks	Height of water column =  Depth to water =  Method of shipment  (lab name)  Well Number:  Depth of Water:  Depth of Water:  Depth of Water:  Depth of Water Column:  Depth of Water Column:  Depth of Water Column:  SSSC  Well Diameter:  2" (0.16 gallon / feet)  Well Depth:  SSSC  S" (1.02 gallon / feet)  Well Volumes: (gallons)  SWell Volumes: (gallons)  Depth  Volume  Depth  Volume  Depth  Not DTW  Remarks	
Method of shipment  SUNSTAN  [lab name]  Well Number:  Depth of Water:  Depth of Water:  Well Dlameter:  2" (0.18 gallon / feet)  Well Depth:  Height of Water Column:  55.56  Volume in Well: (gallons)  Well Volumes: (gallons)  Time Depth Volume  Depth to water =  Depth to water =  Well Dlameter:  2" (0.18 gallon / feet)  4" (0.65 gallon/ feet)  5" (1.02 gallon/ feet)  Well Volumes: (gallons)  Fig. (0.65 gallon/ feet)  Well Volumes: (gallons)  Remarks  Remarks	Method of shipment  SUNSTAN  [lab name]  Well Number: MW3  Depth of Water: 42.64  Well Dlameter: 2" (0.16 gallon / feet)  Well Depth: 9B.60  Height of Water Column: 55.56  Volume in Well: (gallons) 36  SWell Volumes: (gallons) 109  Time Depth Volume  Depth to water =  Depth to water =  Depth to water =  Method of shipment  [Courler  Well Dlameter: 4" (0.16 gallon / feet)  [2" (0.16 gallon / feet)  [3" (1.02 gallon / feet)  Well Dlameter: 4" (0.65 gallon / feet)  [4" (0.65 gallon / feet)  [5" (1.02 gallon / feet)  Well Volumes: (gallons) 36  [6" (1.47 gallon / feet)  Well Dlameter: 4" (0.65 gallon / feet)	
Well Number: MW 3  Well Number: 42.64  Well Dlameter: 2" (0.16 gallon / feet)  Well Depth: 9B.60  Height of Water Column: 55.56  Volume in Well: (gallons) 36  3 Well Volumes: (gallons) 109  Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks  Reading Femarks	Well Number: Mw3 Well Number: Mw3 Well Diameter: 42.64 Well Diameter: 2" (0.16 gallon / feet) Well Depth: 9B.60 Height of Water Column: 55.56 Volume in Well: (gallons) 36 Swell Volumes: (gallons) 109  Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks Time Towards (gallons) Reading Temperature pH ms/cm (NTU)	
Well Number: MW 3  Well Number: 42.64  Well Dlameter: 2" (0.16 gallon / feet)  Well Depth: 9B.60  Height of Water Column: 55.56  Volume in Well: (gallons) 36  3 Well Volumes: (gallons) 109  Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks  Reading Feet	Well Number: Mw3 Well Number: 42.64 Depth of Water: 42.64 Well Depth: 98.60 Height of Water Column: 55.56 Volume in Well: (gallons) 36 3 Well Volumes: (gallons) 109  Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks Time to Water Purped (gallons) Reading F	
Well Number: MW3  Well Number: MW3  Well Diameter: 42.64  Well Depth of Water: 42.64  Well Depth: 98.60  Well Depth: 98.60  Well Depth: 60.65 gallon / feet)  Height of Water Column: 55.56  Volume in Well: (gallons) 36  Well Volumes: (gallons) 49  Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks  Time Depth Purped (gallons) Reading F Reading Temperature pH May cm (NTU)	Well Number: MW3  Well Dlameter: 42.64  Depth of Water: 42.69  Well Dlameter: 98.60  Well Depth: 98.60  Well Depth: 60.65 gallon / feet)  Height of Water Column: 55.56  Volume in Well: (gallons) 36  Well Volumes: (gallons) 40  Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks  Time Depth Purged (gallons) Reading F	
Well Number: MW3  Depth of Water: 42.64  Well Dlameter: 9.00.16 gallon / feet)  Well Depth: 98.60  Height of Water Column: 55.56  Volume in Well: (gallons) 36  Well Volumes: (gallons) 49  Time Depth Volume Totalizer Temperature PH Cond. Turbidity Remarks  Reading F	Well Number: MW3  Depth of Water: 42.64  Well Dlameter: 2" (0.16 gallon / feet)  Well Depth: 98.60  Height of Water Column: 55.56  S" (1.02 gallon/ feet)  Volume in Well: (gallons) 36  Well Volumes: (gallons) 49  Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks  Remarks	
Well Depth: 98.60	Well Depth: 98.60	
Well Depth: 98.60 Height of Water Column: 55.56 Volume in Well: (gallons) 36 3 Well Volumes: (gallons) 109  Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks Toward (callons) Reading F	Well Depth: 98.60 Height of Water Column: 55.56 Volume in Well: (gallons) 36 3 Well Volumes: (gallons) 109  Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks Remarks	
Height of Water Column: 55.50	Height of Water Column: 55.56  Volume in Weil: (gallons) 36  3 Well Volumes: (gallons) 109  Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks  Remarks	
Volume in Well: (gallons) 34	Volume in Well: (gallons) 36 6" (1.47 gallon/ feet) 80% DTW	
Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks	3 Well Volumes: (gallons) / C7	
Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks	Time Depth Volume Totalizer Temperature pH Cond. Turbidity Remarks.	
915 Dr (B.2 7.37 1.31   STATIC CLEPAL 1915 36 70.1 7.39 1.29 CLEPAL 1935 18 70.3 1.33 1.29 - CLEPAL	GIF 127 127 1 STATE C/FM	
1975 36 17 70.1 7.39 1.29 CEAN CLEAN CLEAN CLEAN	115 1 1 100 1 100 100 100 100 100 100 10	<u>_</u> _
1935 17 - 70.3 7.33 1.29 - Clear	5975 36 1 70.1 7.39 1.29 CCEMA	<u>_</u>
	1935 77 - 70.3 1.33 1.29 - Clean	2_
105 \ 68.9 7.32 1.30 \ CLEAR	1945 105 68.9 7.32 1.30 CLEAN	2
STOP LET RELATE		
10:00 Sample Time	10:00 Sample time	
	Inlet Depth:	



- 10166	t Number	: 02-102	$272.\alpha$	- 004				Pageof
							, -	Date: 2-17-05
Project Name: BODYCOTE TECHNI-PARAZE  Project Location: SANTA FE SPRINGS								
		/Weather:						Day: MTWfhFSS
Comm	ents :		•	<del></del>			<u> </u>	
	LING ME	TUOD		·		<del></del>	<u>-</u> .	<del></del>
	ntrifugai	_		бівроsable Е	taller		Sé	MWZ-02/705 imple Number:
	bmersibi	•	===	Tefion Baller				FB:
_	nd Ball	<b>-</b>	Ħ					DUP:
				(other)				J DUP:
	sis Requ 6260			nber and Typ 3 <i>VOA</i> -				
	———		<del></del>	<u></u>		<del></del>	<u> </u>	Calculation Area
								eight of water column ≖ Depth to water =
Metho	od of ship	ment	. [7	Courier				
				fand Deliver				
(lab ni	シンシ 57. eme)		، حا	JETIC DOUADI			1	. 15
Wall I	Jumbac	mwz	Wal	ll Dlameter:_	4 1			, , , , , , , , , , , , , , , , , , , ,
		: 45 40	110/	ひねい(6)   <b>2   (0.16</b> )		feet)		
Well [	Depth:	9340		4" (0.65			1	
Helgh	t of Wate	r Column: <u> </u>	<u> </u>	5" (1.02)			1	
Volun	ne in Wei	l: (gallons) <u>3 /</u>	•	6" (1.47 (	gellon/	feet)		80% DTW
9 Wal	1 Malumai	er (college) Q 3						· -
3 Wel	i Volume:	в: (gallons) <u> 93</u>		7		XCOO		
3 Wel	Depth to Water	8: (gallons) 93 Volume Purged (gallons)	Totalizer Reading	Temperature	рН	Cond, me/cm	Turbidity (NTU)	Remarks
3 Wel	Depth	Volume Purged (gallons)	Totalizar	F	рн 7.59	Cond, me/ cm		Remarks
3 Well	Depth	Volume Purged (gallons)	Totalizar	F		Cond. ma/cm		
3 Well	Depth	Volume Purged (gallons)  31.	Totalizer Reading	F	7.59 7.33	Cond. ma/cm		Remarks
800 800 807	Depth	Volume Purged (gallons)	Totalizer Reading	63.9 65. 65.2	7.59 7.33	Cond. me/cm .95 1.22		Remarks
3 Well Time  800  805	Depth	Volume Purged (gallons)  31.	Totalizer Reading	63.9 65. 65.2 65.0	7.59 7.33 1.46	Cond. me/cm .95 1.22	(NTU)	Remarks STATIC CLORE CLORE
3 Well Time  800  805	Depth	Volume Purged (gallons)  31.	Totalizer Reading	65. 65.2	7.59 7.33 1.46	Cond. me/cm .95 1.22	(NTU)	Remarks
3 Wei 1600 806 807 817	Depth	Volume Purged (gallons)  31.  62.  73	Totalizer Reading	63.9 65. 65.2 65.0	7.59 7.33 1.46	Cond. me/cm .95 1.22	(NTU)	Remarks STATIC CLORE CLORE
3 Wei Time 800 805 807 817	Depth	Volume Purged (gallons)  31.  62.  73	Totalizer Reading	63.9 65. 65.2 65.0	7.59 7.33 1.46	Cond. me/cm .95 1.22	(NTU)	Remarks STATIC CLORE CLORE
3 Well Time 800 807 807 817	Depth	Volume Purged (gallons)  31.	Totalizer Reading	63.9 65. 65.2 65.0	7.59 7.33 1.46	Cond. me/cm .95 1.22	(NTU)	Remarks  STATIC CLOSE  CLOSE
3 Wei Time 800 806 807 817	Depth	Volume Purged (gallons)  31.  62.  73	Totalizer Reading	63.9 65. 65.2 65.0	7.59 7.33 1.46	Cond. me/cm .95 1.22	(NTU)	Remarks  STATIC CLOSE  CLOSE
3 Wei Time 800 806 807 817	Depth	Volume Purged (gallons)  31.  62.  73	Totalizer Reading	63.9 65. 65.2 65.0	7.59 7.33 1.46	Cond. me/cm .95 1.22	(NTU)	Remarks STATIC CLORE CLORE
3 Wei Time 800 805 807 817	Depth	Volume Purged (gallons)  31.  62.  73	Totalizer Reading	63.9 65. 65.2 65.0	7.59 7.33 1.46	Cond. me/cm .95 1.22	(NTU)	Remarks STATIC CLORE CLORE



Proje		r <u> 002-/02</u>						Pageof
-	ct Name:_	BOUYCO	TE T	TECHNI	- 1B10	AZE	···	Date: 2-17-05
Proje	ct Locatio	<u>Вогусо</u> п: <u>59</u> 4	UTA F	E SPR	IN€	2.5		Day: MTW The S
		:/Weather:						LFR Staff: BTW /SEL
Сотг	nents :							<u> </u>
					<del></del>			
	PLING ME						_	MW1-021705
=	entrifugal	•	===	Đišposable E			S	ample Number:
=	idiaremdu	e Pump	닏	Teflon Baller	•			EB: EB - 02/705 -
∐ н	and Ball			(other)			_	DUP:
Anal	ysis Requ			mber and Typ				· · · · · · · · · · · · · · · · · · ·
	4260		<u> </u>	3 VOA			. [	Calculation Area
_			- <u>-</u>				·	seight of water column = Depth to water =
Moth	od of ship	ment		Courtor				
	WN 51		_	Courier				
( <del>lab</del> r	iame)		44-61	Hand Deliver				•
N/_ 11		mul-or			4"	•	}	. dis.
Dent	Number:_ h of Weter	MW-5	We	!! Dlameter:_		45-4)		
			<del></del>	2" (0.16	_	-	].	
Well	Demn:	100.12		T U-4" (0.65)	COLLOCA!	feet)		
		166.72 or Column:			_	-		
Helgi Volu:	ht of Wate me in Wei	r Column: <u>44</u> l: (gallons) <u>34</u>	6266	5" (1.02) 6" (1.47)	gallon/	feet)		. SOR DITAL
Helgi Volu:	ht of Wate me in Wei	r Column: 🕰	6266	5" (1.02	gallon/	feet) feet)		80% DTW
Heigi Volu: 3 We	ht of Wate me in Wei	r Column: <u>44</u> l: (gallons) <u>34</u>	6266	5" (1.02 6" (1.47	gallon/ gallon/	feet)	Turbidity (NTU)	
Heigi Volu: 3 We	ht of Wate me in Wei ii Volume:	r Column: 44 l: (gallons) 34 s: (gallons) 45 Volume Purged (gallons)	#2/26 40. 120.	5" (1.02 6" (1.47	gallon/ gallon/	feet) feet) <i>(650</i> Cond.	Turbidity (NTU)	Remark=
Heigi Volu: 3 We	ht of Wate me in Wei ii Volume:	r Column:	#2/26 40. 120.	5" (1.02 6" (1.47 Temperature 62.3	gallon/ gallon/ pH	feet) (cond. ms/cm	Turbidity (NTU)	
Heigi Volu: 3 We	ht of Wate me in Wei ii Volume:	r Column: 43	#2/26 40. 120.	5" (1.02 6" (1.47)  Temperature	gallon/ gallon/	feet) (1666 Cond. me/cm .91	Turbidity (NTU)	Remarks STATIC CLOAN
Helgi Volu: 3 We	ht of Wate me in Wei ii Volume:	r Column: 40	#2/26 40. 120.	5" (1.02 ☐ 6" (1.47) Temperature 62.3 64.5 63.4	gallon/ gallon/ pH (e40 7,2/ 7,66	(656 Cond. me/ cm	Turbidity (NTU)	Remark=
Helgi Volu: 3 We	ht of Wate me in Wei ii Volume:	r Column: 40	#2/26 40. 120.	5" (1.02 6" (1.47) Temperature 62.3 64.5	gallon/ gallon/ pH (e40 7,2/ 7,66	feet) (1666 Cond. me/cm .91	Turbidity (NTU)	Remarks STATIC CLOAN
Heigi Volu: 3 We	ht of Wate me in Wei ii Volume:	r Column: 40	#2/26 40. 120.	5" (1.02 ☐ 6" (1.47) Temperature 62.3 64.5 63.4	gallon/ gallon/ pH (e40 7,2/ 7,66	(656 Cond. me/ cm	Turbidity (NTU)	Remarks STATIC CLOAN
Heig Volu 3 We	ht of Wate me in Wei ii Volume:	volume: 40	Totalizer Reading	5" (1.02) 6" (1.47)  Temperature 62.3 64.5 63.4 65.7	gallon/ gallon/ pH (e40 7,2/ 7,66	(656 Cond. me/ cm	Turbidity (NTU)	Remarks STATIC CLOAN
Heig Volu 3 We	ht of Wate me in Wei ii Volume:	r Column: 40	Totalizer Reading	5" (1.02) 6" (1.47)  Temperature 62.3 64.5 63.4 65.7	gallon/ gallon/ pH (e40 7,2/ 7,66	(656 Cond. me/ cm	Turbidity (NTU)	Remarks STATIC CLOAN
Helgi Volu:	ht of Wate me in Wei ii Volume:	volume: 40	Totalizer Reading	5" (1.02) 6" (1.47)  Temperature 62.3 64.5 63.4 657	gallon/ gallon/ pH (e40 7,2/ 7,66	(656 Cond. me/ cm	Turbidity (NTU)	Remarks STATIC CLOAN
Heig Volu 3 We 100 00 015	ht of Wate me in Wei ii Volume:	volume: 40	Totalizer Reading	5" (1.02) 6" (1.47)  Temperature 62.3 64.5 63.4 65.7	gallon/ gallon/ pH (e40 7,2/ 7,66	(656 Cond. me/ cm	Turbidity (NTU)	Remarks STATIC CLOAN
Heig Volu 3 We 100 00 015	ht of Wate me in Wei ii Volume:	volume: 40	Totalizer Reading	5" (1.02) 6" (1.47)  Temperature 62.3 64.5 63.4 657	gallon/ gallon/ pH (e40 7,2/ 7,66	(656 Cond. me/ cm	Turbidity	Remarks STATIC CLOAN
Heig Volu 3 We	ht of Wate me in Wei ii Volume:	volume: 40	Totalizer Reading	5" (1.02) 6" (1.47)  Temperature 62.3 64.5 63.4 657	gallon/ gallon/ pH (e40 7,2/ 7,66	(656 Cond. me/ cm	Turbidity	Remarks STATIC CLOAN
Heig Volu 3 We	ht of Wate me in Wei ii Volume:	volume: 40	Totalizer Reading	5" (1.02) 6" (1.47)  Temperature 62.3 64.5 63.4 657	gallon/ gallon/ pH (e40 7,2/ 7,66	(656 Cond. me/ cm	Turbidity (NTU)	Remarks STATIC CLOAN
Heig Volu 3 We	ht of Waterne in Welli Volume:  Depth to Water	volume: 40	Totalizer Reading	5" (1.02) 6" (1.47)  Temperature 62.3 64.5 63.4 657	gallon/ gallon/ pH (e40 7,2/ 7,66	(656 Cond. me/ cm	Turbidity	Remarks STATIC CLOAN



Project Number: <u>002-7027</u>	2.00-004			Page of
				Date: 2-17-05
Project Name: <u>BODY COTE</u> Project Location: <u>Squtt</u>	A FE SPRINE	. S		Day: MTW The SS
Site Conditions/Weather:				LFR Staff: 1870 /SEL
Comments :	<del></del>			
SAMPLING METHOD				
Centrifugal Pump	Disposable Bailer		<i>yu</i> Sai	43-02/705 mple Number:
Submersible Pump	Teflon Baller			FB:
Hand Ball	(other)			DUP:
Analysis Requested  B260 B	Number and Types of I		i —	
	3,002.		<u> </u>	Calculation Area
			) He	ight of water column ≈ Depth to water ≈
Method of shipment	Courier			
(lab name)	Hand Deliver	-		•
	_ <del>_</del>			ni.
Well Number: MCA 3	Well Diameter:		ĺ	
Depth of Water: 37-17	. (0.16 gallon /	_	ļ	
Well Depth: 39.54 Height of Water Column: 2.37	☐ 4" (0.65 gallon/ : ☐ 5" (1.02 gallon/ :	-		
Volume in Well: (gállons) 3	6" (1.47 gallon/ i	-	<b>•</b>	0% DTW 37.64
3 Well Volumes: (gallons) - 9	<u>ب</u>		ئےا	0% DTW. 0 (60)
Time Depth Volume To to Water Purged (gallons) R	otalizer Temperature pH	Cond. me/ cm	Turbidity (NTU)	Remarks
735 slaft 0	66.5 6.99	1-24		static-claws
38 ·3 hr	686 692	1.23		BAILED DTY/STOD
34 STOP/LET DECOVE		TER		l l
	- /			<u> </u>
	_   _   _			
			1	<del>_</del>
10 Sample TIME				
			i	
- T T T T T T T T				
Inlet Depth:				
eviewed by:	Signed:			Date:



Proje	ct Number	: <u>002-103</u>	272.oc	o - 004		<del></del> _		Pageof
Proje	t Name:_	BODYCO	TE .7	ECHNI:	- Ba	a Zë	·	Date: 2-17-05
Proje	ct Locatio	1300400 11:3-14	ITA F	E SPR	NE,	- - <u></u>		Day: MTW/fb/FSS
	'	/Weather:						LFR Staff: BTW SEL
Солп	nents :	<del></del>		<del></del>		<del>,</del>		· · · · · · · · · · · · · · · · · · ·
	LING ME	THOD			. <u> </u>	· · · · · · · · · · · · · · · · · · ·		
	entrifugal		<del> </del>	, <del>Dis</del> posable E	laller		Si	Nw8-02/705 ample Number
_	ubmersibi	-		Teflon Baller				FB:
	and Ball	•	$\Box$	(other)				DUP:
	ysis Requ <i>0</i> 260		Nur	nber and Typ			ď -	
	4000	12	<del>i</del>	3. VOA_			· L_	Calculation Area
							H	leight of water column = Depth to water ≍
Meth	od of ship	rmant		Courier				
				fand Deliver				
_	NWS1 name)		, -			,,		nie,
Well	Number:_	MW8	We	I Dlameter:_	_4	· · · · · · · · · · · · · · · · · · ·		
Dept	h of Water	38.20	<u>-</u>	2" (0.16 g	gallon /	feet)	1.	
Well	Depth: bt of Wete	41.30 or Column: 3_18	<u>a</u> 7	<del>☑ 4</del> " (0.65 ( ☐ 5" (1.02 (	_	-		į
		I: (gallons) 2	<u></u>	6" (1.47)	_	-	Ì	26 63
		s: (gallons) 😓	<u> </u>	· · · · · · · · · · · · · · · · · · ·			<u></u>	80% DTW_38.83
Time	Depth to Water	Volume Purged (gallons)	Totalizer Reading	Temperature F	рΗ	Cond. ms/ cm	Turbidity (NTU)	Remarks
පිත	Start	O		47.9	7.65	1.46		static-clear:
803		S #.		69.5	7.40	(.53		cloudy-ovange/Brown
806		니 -		69.6	724	(.51		Bales bry STOP
807	STOP/	LET BE(a)	ER/5	ample	ر ۲۳۸			7.0
								,
				<del></del>				
1135	5 Sa~	ple the	-					
		- <u>-</u> -	<del>-</del>			· <u>-</u> -		
				<u> </u>				
	-	_ <del></del>	<del></del>	<del>  -</del>				<del> </del> -
	<del></del>		<del></del>	<del></del>				
lnier z	Depth:					<u></u> _	<u> </u>	L
								_
eview	ed by:	<u> </u>		Signed: _				Date:



	<u>272.00</u>	<u> </u>				Page	of
						_	2-17-05
Project Name: <u>BoDy/co</u> Project Location: <u>S9</u>	NTA F	E SPR	ندر	2.5			M T W Th F S S
Site Conditions/Weather:							Staff: BTW SEL
Comments :	·	<del></del>			<del> </del>		<u>, ,</u>
			<del></del>				
SAMPLING METHOD					N	160/2	2-021705
Centrifugai Pump	. <del>- Z</del>	Disposable E	Baller		St	ambje y	lumber:
Submersible Pump	' 🗖 🐪 ۽ `	Teflon Bailer				] FB:	
Hand Ball	, * 🗖	(other)				DUP:_	
Analysis Requested		nber and Typ 3 <i>UOA</i> -					
90001	<del></del> -	5002			' L.		Calculation Area
					.   H		vater column = epth to water =
Nethod of shipment		Courler			İ	ξ.	
SUNSTAN	=	tand Deliver					
(ab name)							₁ڬ-
Well Number:_ $n\omega/2$ _	Wei	II Diameter:_	4	4	İ		
Depth of Water: 39.39	ŧ.	2" (0.18	aalion /	feet)			
Well Depth: 40-8	<u> </u>	₩ (0.65	_	•	1		
		. <b>=</b> :	_	-	1		
Height of Water Column: 1.9		′ 5" (1.02 j	gallon/1	reet)	ŀ		
	<u>*</u>	′∏ 5" (1.02 ) ∏ 6" (1.47 )	_	•		80% DTV	39.63
Volume in Well: (gallons) - 7 3 Well Volumes: (gallons) Z	7 Totalizer		gallon/1	feet)	Turbidity		29.63
Volume in Well: (galions)  3 Well Volumes: (galions)  Time Depth Volume Purged (galions)	7 Totalizer	Temperature	gallon/ f	feet)			Remarks
Volume in Well: (gallons) - 7 3 Well Volumes: (gallons) Z	7 Totalizer	6" (1.47) Temperature 67.9	pH 7.52	Cond. me/cm	Turbidity		Remarks
Volume in Well: (gallons)  3 Well Volumes: (gallons)  Depth to Water Purged (gallons)  25	7_ Totalizer Reading	Temperature 67.9	рн 7.52 7.02	Cond. me/cm /-34	Turbidity		Remarks
Volume in Well: (gallons)  3 Well Volumes: (gallons)  Depth to Water Purged (gallons)  25	7 Totalizer	Temperature 67.9	pH 7.52	Cond. me/cm /-34	Turbidity		Remarks
Volume in Well: (gallons)  3 Well Volumes: (gallons)  Column In Well: (gall	7_ Totalizer Reading	Temperature 67.9	рн 7.52 7.02	Cond. me/cm /-34	Turbidity		Remarks
Volume in Well: (gallons)  3 Well Volumes: (gallons)  Time Depth to Water Purped (gallons)  35 Sect O	7_ Totalizer Reading	Temperature 67.9	рн 7.52 7.02	Cond. me/cm /-34	Turbidity		Remarks
Volume in Well: (gallons)  3 Well Volumes: (gallons)  7 Time Depth to Water Purped (gallons)  7 Sand Gallons  7 Sand Gallons	7_ Totalizer Reading	Temperature 67.9	рн 7.52 7.02	Cond. me/cm /-34	Turbidity		Remarks
Volume in Well: (gallons)  3 Well Volumes: (gallons)  7 Time Depth to Water Purped (gallons)  75 Sarch O  750 Sample Facet  750 Sample Facet	7_ Totalizer Reading	Temperature 67.9	pH 7.52 7.02	Cond. me/cm /-34	Turbidity		Remarks
Volume in Well: (gallons)  3 Well Volumes: (gallons)  Time Depth to Water Purged (gallons)  25 Sect O  27 Stop Let Rec	7_ Totalizer Reading	Temperature 67.9	pH 7.52 7.02	Cond. me/cm /-34	Turbidity		Remarks
Volume in Well: (gallons)  3 Well Volumes: (gallons)  Time Depth to Water Purged (gallons)  25 Sect O  27 Stop Let Rec	7_ Totalizer Reading	Temperature 67.9	pH 7.52 7.02	Cond. me/cm /-34	Turbidity		Remarks
Volume in Well: (gallons)  3 Well Volumes: (gallons)  7 Time Depth to Water Purped (gallons)  825 Saret O  927 Saret O	7_ Totalizer Reading	Temperature 67.9	pH 7.52 7.02	Cond. me/cm /-34	Turbidity		Remarks
Height of Water Column: 1/9 Volume in Well: (gallons) 2 3 Well Volumes: (gallons) 2 Time Depth to Water Purged (gallons) 25 Sect O 28 29 Sep Let Rec	7_ Totalizer Reading	Temperature 67.9	pH 7.52 7.02	Cond. me/cm /-34	Turbidity		Remarks



Desta-	of Names			5-004	- 120	משמ		Date: 2-17-05
Projek	ct Name:_	<u>BODYCÓ</u> 1: <u>594</u>	ITA G	in a proper	1016	<del>.</del>	<del></del>	
		Neather:						Day: MTW/fh/FS:
		-						LFR Stall.
Comn	nents :				<u> </u>			
SAMI	PLING MET	THOD		<del></del>				MEAT-021705
	entrifugal i	<del>-</del>	<del>: []</del> 1	<del>.</del> <del>Disp</del> osable B	alier		s	ample Number:
	ubmersible			Teflon Baller			Г	Ţ <b>FB</b> :
_	and Ball	•	Π̈	(other)				DUP:
Anal	ysis Requ	ested		nber and Typ				·
	B260	19		3 VOA				Calculation Area
		·					. [7	delight of water column =  Depth to water =
Matt	od of ship	ment		Courler			1	
	100 01 811111 XXX 511		느,	ਰਗਾਰਾ fand Deliver			ĺ	
(lab i	NBITNE)		_ /-					rar-
						,	I	
Wr. m	Nomber	WAA	14/-1	II Diamatan	2	17	- 1	
Well	Number:_	WA1 37.90	Wei	[[ Dlameter:	Z	feet)		
Dept	th of Water	. 37.YC	Well	2 (0.10)	Janon 1	igot)		
Dept Well	th of Water Depth:	WA 1 37.90 43.35 or Column: 57	2 7	II Diameter:	gallon/ f	eet)		
Dept Well Heig Volu	th of Water Depth: tht of Wate ime in Well	: 37.90 43.35	) [5	4" (0.65	gallon/ f gallon/ f gallon/ f	eet) eet)		80% DTW 38.99
Dept Well Helg Volu	th of Water Depth: tht of Wate ime in Well all Volume	7: 37.90 43.35 or Column: 5, 5 i: (gallons) 8 s: (gallons) 2	) [5	4" (0.65) 5" (1.02) 6" (1.47)	gallon/ f gallon/ f gallon/ f	eet) eet) eet)	Turbidity (NTU)	
Dept Well Helg Volu 3 We	th of Water Depth: tht of Wate the In Well to Unmer	: 37.90 43.35 or Column: 5.5 i: (gallons) - 8 s: (gallons) 2	Totalizer	4" (0.65) 5" (1.02) 6" (1.47)	gallon/ f gallon/ f gallon/ f	eet) eet) cet) Cond.		Remarks
Dept Well Heig Volu 3 We	th of Water Depth: tht of Wate the In Well oil Volume  Depth to Water	r: 37.90 43.35 r Column: 5.5 i: (gallons) - 8 s: (gallons) 2.5 Volume Purged (gallons)	Totalizer	4" (0.65)   5" (1.02)   6" (1.47)   Temperature   69. 4	pallon/f pallon/f pallon/f	cond. ma/cm		Remarks  Substic - Cleav
Dept Well Heig Volu 3 We	th of Water Depth: tht of Wate the In Well to Unmer	r: 37.90 43.35 r Column: 57 i: (gallons) 2 s: (gallons) 2 Volume Purged (gallons)	Totalizer	4" (0.65)   5" (1.02)   6" (1.47)   Temperature   69. 4   70.5	pallon/fgallon/fgallon/f	Cond. ma/cm		Remarks
Dept Well Heig Volu 3 We	th of Water Depth: tht of Wate the In Well to Unmer	r Column: 5. Si: (gallons) 2. Volume Purged (gallons) 0	Totalizer	4" (0.65)   5" (1.02)   6" (1.47)   Temperature   F   69.4   70.5   70.9	pallon/f pallon/f pallon/f 7.52 7.48	Cond. ma/cm /3/	(0.170)	Remarks  Other Clean
Dept Well Heig Volu 3 Wes 3 We	th of Water Depth: tht of Wate Ime In Well Ill Volume Depth to Water	r: 37.90 43.35 r: (gallons)	Totalizer	Temperature  68.4  70.5  70.9	pallon/fgallon/fgallon/f	Cond. ma/cm 1.3/ 1-27 1.28	(0.170)	Remarks  Substic - Cleav
Dept Well Height Volume 3 West Sept Sept Sept Sept Sept Sept Sept Sep	th of Water Depth: tht of Wate the In Well to Unmer	r Column: 5. Si: (gallons) 2. Volume Purged (gallons) 0	Totalizer	4" (0.65)   5" (1.02)   6" (1.47)     Temperature   69.4   70.5   70.9	pallon/f pallon/f pallon/f 7.52 7.48	Cond. ma/cm /3/	(0.170)	Remarks  Other Clean:
Dept Well Height Volume 3 West Sept Sept Sept Sept Sept Sept Sept Sep	th of Water Depth: tht of Wate Ime In Well Ill Volume Depth to Water	r: 37.90 43.35 r: (gallons)	Totalizer	Temperature  68.4  70.5  70.9	pallon/f pallon/f pallon/f 7.52 7.48	Cond. ma/cm 1.3/ 1-27 1.28	(0.170)	Remarks  Other Clean:
Depti Well Heig Volu 3 We Time	th of Water Depth: tht of Wate Ime In Well Ill Volume Depth to Water	r: 37.90 43.35 r: (gallons)	Totalizer	Temperature  68.4  70.5  70.9	pallon/f pallon/f pallon/f 7.52 7.48	Cond. ma/cm 1.3/ 1-27 1.28	(0.170)	Remarks  Other Clean:
Depti Well Heig Volu 3 We Time	th of Water Depth: tht of Wate Ime In Well Ill Volume Depth to Water	r: 37.90 43.35 r: (gallons)	Totalizer	Temperature  68.4  70.5  70.9	pallon/f pallon/f pallon/f 7.52 7.48	Cond. ma/cm 1.3/ 1-27 1.28	(0.170)	Remarks  Other Clean:
Depti Well Heig Volu 3 We Time	th of Water Depth: tht of Wate Ime In Well Ill Volume Depth to Water	r: 37.90 43.35 r: (gallons)	Totalizer	Temperature F 69.4 70.5 70.9 71.1	pH 7.52 7.48 7.22 E U	Cond. ma/cm 1.3/ 1-27 1.28	(0.170)	Remarks  Other Clean:
Depti Well Heig Volu 3 We Tme	th of Water Depth: tht of Wate Ime In Well Ill Volume Depth to Water	r: 37.90 43.35 r: (gallons)	Totalizer	Temperature  68.4  70.5  70.9	pH 7.52 7.48 7.22 E U	Cond. ma/cm 1.3/ 1-27 1.28	(0.170)	Remarks  Other Clean
Dept Well Helg Volu 3 We	th of Water Depth: tht of Wate Ime In Well Ill Volume Depth to Water	r: 37.90 43.35 r: (gallons)	Totalizer	Temperature F 69.4 70.5 70.9 71.1	pH 7.52 7.48 7.22 E U	Cond. ma/cm 1.3/ 1-27 1.28	(0.170)	Remarks  Other Clean:



Project Number: 007	2-10272.0	<u> </u>		· <del></del> ·		Pageof
Project Name: <u> </u>	DYCOTE T	TECHNI.	180	<u> </u>		Date: 2-17-05
Project Name: <u>Bo</u> Project Location:	SOUTH F	E SPR	رے سر	.5		Day: MTW/Th FSS
Site Conditions/Weathe						LFR Staff: BTW SEL
Comments :		-				<del></del>
				- <del></del>		
SAMPLING METHOD	. —	, _				VCA4-021705
Centrifugal Pump		<del>Dis</del> posable E		-	-	Sample Number:
Submersible Pump		Teflon Baller			L	] FB:
Hand Ball	Ш	(other)				
Analysis Requested		mber and Typ				
<u>G260 B</u>	<del> </del>	3.00A		•		Calculation Area
	<del></del>					Height of water column = Depth to water =
					Ì	Debtii to Maier -
Method of shipment		Courler				
(lab name)	<del> </del>	Hand Deliver	•			
				, 1 <i>f</i>	1	, des
Well Number: MC	W.	ell Diameter:_		<u>-</u>	- 1	
Depth of Water:3	8.22	Z 2 (U.10)	Benout	1001)	1	
Well Depth:	1.28	<b>1 4"</b> (0.65 (	-	-		
Height of Water Colum	<i>/</i> -1 ·	<b>5" (1.02</b> )	_	-		$-2 \cdot -1$
Volume in Weii: (gallon 3 Weil Volumes: (gallor		6" (1.47	gallon/ 1	18 <b>6</b> t)		80% DTW 39.43
Time Depth Vol	ume Totalizer		рН	Cond.	Turbleit	y Remarks
<del></del>	(galions) Reading		Z55		(עדעי)	Static-cleave
9/0 Skit 5	2 11/2	69.1				<u> </u>
1/3	7	69.8	7.50	.89		cloudy-turbed-BM
216	<i>B</i> -	682	7.30	.88	<del>-</del> -	BALED DY STOP
317 STOP /ET	PEGOVER	1 SAm	DE	LAT	2	
77		7				
					-	
<del></del>		+			<del> </del>	·
10.		<del> </del>	<del> </del>		<del> </del>	<del></del>
20 Sample.	7a	<u> </u>				
		<u> </u>			<u></u>	
		1				
-	1	<del>                                     </del>				
		<del> </del>	<del>                                     </del>	<u> </u>	<del> </del> -	<del> </del>
	L		<u> </u>		<u> </u>	
Iniet Depth:						
teviewed by:		Signed: _				



Project Number: 002-103	272. <i>0</i> 0	<u> - 004</u>			<del></del>	Pageof
Project Name: <u>BoUyce</u> Project Location: <u>59</u>	TE 7	ECHNI	160	<u> </u>		Date: 2-17-05
Project Location:	UTA FO	E SPR.	ہے ریدر	.5		Day: MTW The FSS
ite Conditions/Weather:				·		LFR Staff: BTW SEL
Comments :	·			_		· · · · · · · · · · · · · · · · · · ·
AMPLING METHOD			·			1614-021705
Centrifugal Pump	44	<del>Disp</del> osable E	Baller		s	emple Number:
Submersible Pump		Teflon Baller			Г	<b>□FB:</b>
Hand Ball		other)			ָּלָ <u>י</u>	(DUP: DUD-02170
Analysis Requested		nber and Typ 3 VOA	es of E	Bottle Use	ط / ا	7
y we is		7000	<u> </u>		<u> </u>	Calculation Area
	<del>-</del> -	· <del>·</del> ··································				Height of water column = Depth to water ≈
Method of shipment	- 🗀 0	ourier				•
SUNSTAN	=	iand Deliver				
(lab name)					i	en en en en en en en en en en en en en e
Well Number: MW14	Wal	l Diameter:_	4	9		
Depth of Water: 38-16	'''''	2" (0.16 g	oalion /	feet)		
Well Depth: 42-67	<del>-</del>	<del>4" (0</del> .65			- 1	
Height of Water Column: 📆 🤇	tla 1	<b>5"</b> (1.02)			· 1	,
Volume in Well: (galions) 7.33 3 Well Volumes: (galions) 8.	<u>E</u>	6" (1.47	gallon/1	feet) ,:.	L	80% DTW 39.05
Ime Depth to Water Purged (gallons)	Totalizer Reading	Temperature	рН	Cond.	Turbidity (NTU)	Remarks
37 0	// Carrier	624	7.74	.82		Setic-clar:
	<b>-</b>	69.9	758	<i>-8</i> 5		cloudy-turbid-bin
	<del>                                     </del>	10-7	-			
5.6-		01/	745	.8Z		Bateo Dy/STOP
1 STOP/LET BE	POVER	15AM	) les	LATE	2	·
. / /	<u> </u>					
						1
B Sample Tin	-		1			
a striple I'm			<del>  -</del>			<del>  -</del>
<del></del>	<del>-</del>		-			<del>                                     </del>
		· · · · · · · · · · · · · · · · · · ·	<u> </u>	_		<del> </del>
	<u> </u>		<u> </u>			
	1		1			1
hiet Depth:			-			
eviewed by:		Signed: _				Date:



Project Number:		<u> </u>	<u> </u>				Pageof
	Rolly			1			
'roject Name:	13004co	6/E 7	15CHNI	-/60	47E		Date: 2-17-05
'roject Location	1:	UTA F	E SPR	1NE,	ــــــکـــــــ		Day: MTW/Th/FS:
Site Conditions/	Weather:		<u> </u>	·-	· · · · · ·	<del></del>	LFR Staff: BTW SEL
Comments :	<del>-</del>	<u> </u>		. <u>-</u> .			· ,
				<del>. ;</del> .			
SAMPLING MET		. <del>□</del>	<b>_</b>	<b>-</b>		N	WAZ-021705
Centrifugal F	•	/=	Disposable E				ample Number:
Submersible	Pump	닏	Teflon Baller	•			] FB:
Hand Ball			(other)				DUP:
Analysis Reque		Nu	mber and Typ	pes of E	eaU elttoE	d	
<u></u>	<u>B</u>		7 1100			_	Calculation Area
						. h	leight of water column =
			<del></del>	· · · · · ·		. [	Depth to water =
Method of ships	ment		Courier				•
5UN 517	_		Hand Deliver				
		~	TIPLIE POLITOR			· .	
(lab name)					_		-
(lab name)	-				/		. 1921 -
(lab name)	MCA-Z	We	oll Diameter:_	Z	/		. Plu
(lab name)	MCA-Z	We	oll Diameter:	Z gallon /	feet)		. No-
(lab name) Well Number:_ Depth of Water: Well Depth:	MCA-Z 37,10 38,48	We	Diameter:	gallon /	fest) fest)		. PM -
(lab name) Well Number: Depth of Water: Well Depth: Height of Water	MCA-Z 37.10 38,48 Column: 4/3	- We	Diameter:_ 2" (0.16 4" (0.65 5" (1.02	gallon / gallon/ ( gallon/ (	fest) fest) fest)		
(lab name) Well Number: Depth of Water: Well Depth: Height of Water Volume in Well:	MCA-Z :_37,10 :38,48 : Column:_1/3 : (gallons)_, Z	- We	Diameter:	gallon / gallon/ ( gallon/ (	fest) fest) fest)		во <b>ж</b> отw <u>37-37</u>
Well Number: Depth of Water: Well Depth: Height of Water Volume in Well: 3 Well Volumes	MCA-Z : 37,10 : 8,48 : Column: 1/3 : (gallons) 2 : (gallons) 6	We 2	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) feet) Cond.	Turbidity	вож DTW_ <u>37</u> -37
Well Number:	MCA-Z : 37.10 : 38,48 : Column: 4/3 : (gallons) 2.2 : (gallons) 40  Votume Purged (gallons)	- We	2" (0.16 4" (0.65 5" (1.02 6" (1.47)	gallon / gallon/ ( gallon/ ( gallon/ (	feet) feet) feet) Cond. ma/cm	Turbidity (NTU)	80% DTW_37-37
(lab name) Well Number: Depth of Water: Well Depth: Height of Water Volume in Well: 3 Well Volumes	MCA-Z : 37.10 : 38,48 : (galions) . Z : (galions) . (Q	We 2	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ms/cm		вож DTW_ <u>37</u> -37
Well Number: Depth of Water: Well Depth: Height of Water Volume in Well: 3 Well Volumes  Depth to Water, WS Sector	MCA-Z : 37.10 : 38,48 : (galions) 2 : (galions) 40  Volume Purged (galions)	We 2	2" (0.16 4" (0.65 5" (1.02 6" (1.47)	gallon / gallon/ ( gallon/ ( gallon/ (	feet) feet) feet) Cond. ma/cm	(NTU)	80% DTW_37-37
(lab name)  Well Number: Depth of Water: Well Depth: Height of Water Volume in Well: 3 Well Volumes	MCA-Z : 37.10 : 38,48 : (galions) 2 : (galions) 40  Volume Purged (galions)	We 2	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ms/cm	(NTU)	Remarks Slotte - claser:
Well Number: Depth of Water: Well Depth: Height of Water Volume in Well: 3 Well Volumes Time Depth to Water,	MCA-Z : 37.10 : 38.48 : (galions) . 2 : (galions) . (galions) Volume Purged (galions)	We San San San San San San San San San San	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ma/cm	(NTU)	Remarks Slotte - claser:
Well Number: Depth of Water: Well Depth: Height of Water Volume in Well: 3 Well Volumes  Time Depth to Water, HS Sector	MCA-Z : 37.10 : 38.48 : (galions) . 2 : (galions) . (galions) Volume Purged (galions)	We San San San San San San San San San San	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ma/cm	(NTU)	Remarks Slotte - claser:
Well Number: Depth of Water: Well Depth: Height of Water Volume in Well: 3 Well Volumes  Time Depth to Water, HS Sector	MCA-Z : 37.10 : 38.48 : (galions) . 2 : (galions) . (galions) Volume Purged (galions)	We San San San San San San San San San San	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ma/cm	(NTU)	Remarks Slotte - claser:
Well Number:_ Depth of Water: Well Depth:_ Height of Water Volume in Well: 3 Well Volumes  Depth to Water, WS Section  197 28 57	MCA-Z : 37.10 : 38.48 : (galions) . 2 : (galions) . (galions) Volume Purged (galions)	We San San San San San San San San San San	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ma/cm	(NTU)	Remarks Slotte - claser:
Well Number: Depth of Water: Well Depth: Height of Water Volume in Well: 3 Well Volumes  Time Depth to Water, WS Section	MCA-Z : 37.10 : 38.48 : (galions) . 2 : (galions) . (galions) Volume Purged (galions)	We San San San San San San San San San San	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ma/cm	(NTU)	Remarks Slotte - claser:
Well Number:_ Depth of Water: Well Depth:_ Height of Water Volume in Well: 3 Well Volumes  Depth to Water, WS Section  197 28 57	MCA-Z : 37.10 : 38.48 : (galions) . 2 : (galions) . (galions) Volume Purged (galions)	We San San San San San San San San San San	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ma/cm	(NTU)	Remarks Slotte - claser:
Well Number:_ Depth of Water: Well Depth:_ Height of Water Volume in Well: 3 Well Volumes  Depth to Water, WS Section  197 28 57	MCA-Z : 37.10 : 38.48 : (galions) . 2 : (galions) . (galions) Volume Purged (galions)	Totalizer Reading	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ma/cm	(NTU)	Remarks Slotte - claser:
Well Number:_ Depth of Water: Well Depth:_ Height of Water Volume in Well: 3 Well Volumes  Time Depth to Water,  HO Depth To Water,	MCA-Z : 37.10 : 38.48 : (galions) . 2 : (galions) . (galions) Volume Purged (galions)	Totalizer Reading	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ma/cm	(NTU)	Remarks Slotte - claser:
Well Number:_ Depth of Water: Well Depth:_ Height of Water Volume in Well: 3 Well Volumes  Time Depth to Water,  HO Depth To Water,	MCA-Z : 37.10 : 38.48 : (galions) . 2 : (galions) . (galions) Volume Purged (galions)	Totalizer Reading	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ma/cm	(NTU)	Remarks Slotte - claser:
Well Number:_ Depth of Water: Well Depth:_ Height of Water Volume in Well: 3 Well Volumes  Time Depth to Water,  WS School	MCA-Z : 37.10 : 38.48 : (galions) . 2 : (galions) . (galions) Volume Purged (galions)	Totalizer Reading	Diameter:	gallon/ gallon/ gallon/ gallon/	feet) feet) feet) Cond. ma/cm	(NTU)	Remarks Slotte - claser:



to Water, Purged (gallons) Reading F ms/cm (NT 55 Scurt 0 78 0 7.77 1.23 1.25	
AMPLING METHOD    Centrifugal Pump	LFR Staff: BT W SEL  MW9-02/705  Sample Number:  FB:  DUP:  Calculation Area  Height of water column =  Depth to water =
AMPLING METHOD    Centrifugal Pump	LFR Staff: BT W SEL  MW9-02/705  Sample Number:  FB:  DUP:  Calculation Area  Height of water column =  Depth to water =
AMPLING METHOD    Centrifugal Pump	Sample Number:  FB:  DUP:  Calculation Area  Height of water column =  Depth to water =
Centrifugal Pump	Sample Number:  FB:  DUP:  Calculation Area  Height of water column =  Depth to water =
Centrifugal Pump	Sample Number:  FB:  DUP:  Calculation Area  Height of water column =  Depth to water =
Submersible Pump    Teflon Bailer	Calculation Area  Height of water column =  Depth to water =
Cother   Number and Types of Bottle Used   3 VOA	Calculation Area  Height of water column =  Depth to water =
Number and Types of Bottle Used  3 UOA  Method of shipment  SUNSTAN  Well Diameter:  Depth of Water:  Depth of Water:  Depth of Water Column:  Depth:	Height of water column ■ Depth to water =
Well Number: Well Diameter:  Depth of Water: 38 GD	Height of water column ■ Depth to water =
Well Number:	Depth to water =
Well Number:	вож отw <u>3</u> 9-21
Well Number:	вож отw <u>39-21</u>
Well Number:	80% DTW <u>39-21</u>
Depth of Water:  Well Depth:  Geight of Water Column:  Column In Well: (gallons)  Well Volumes: (gallons)  Woll Volumes: (gallons)  Totalizer  Temperature  Purged (gallons)  Totalizer  Temperature  PH  Cond.  May cm  (N)  TOTALIZE  TOTA	во% отw <u>39.21</u>
Depth of Water:  Well Depth:  Geight of Water Column:  Column In Well: (gallons)  Well Volumes: (gallons)  Woll Volumes: (gallons)  Totalizer  Temperature  Purged (gallons)  Totalizer  Temperature  PH  Cond.  May cm  (N)  TOTALIZE  TOTA	80% DTW <u>39-21</u>
Well Depth:	вож отw <u>39-21</u>
ieight of Water Column: 2.76   5" (1.02 gallon/ feet)  /olume in Well: (gallons)   1-8   6" (1.47 gallon/ feet)  Well Volumes: (gallons)   5   7   6" (1.47 gallon/ feet)  we   Depth   Volume   Totalizer   Temperature   pH   Cond.   Turb   ms/ cm   (NT   Cond.   Turb   ms/ cm   (NT   Cond.   Turb   Cond.   80% DTW 39-21	
Volume in Well: (gallons) 1-8	80% DTW 39-21
Depth to Water, Purged (gallons) Reading. Temperature pH Cond. ma/cm (NT Cond.) Turb (NT Cond.	
15 Save 0 7.77 1.23 25 Save 0 7.55 7.58 1.25	Idity Remarks
B 1811 70.5 758 1.25	
# 15" 70,5 (50).25 # 510) FT BROWN SAMPLE U	Statu-clear:
STOP FOR GRADE U	BALED CTY STEP
	ATTER
<u></u>	
30 5040 Detu	<del>-   </del>
TO MUNICIPALLE	
<del></del>	<del></del>
	1
	<u>_</u>
Inlet Depth:	



	* .	BODYCO S74 eather:						Date: 2-17-05  Day: M T W Th F S S  LFR Staff: BT W SEL
Commer	nts :			· 				
SAMPLI	NG METH	OD .			•			W10-021705
	rifugal Pu		- <del>-</del>	Dîsposable E	laller			ample Number:
_	nersible P	-	/	Teflon Baller			Г	FB:
Hand	i Ball		$\vec{\Box}$	(other)	<del></del>			DUP:
	s Request			<b>nber and Typ</b> 3 <i>UOA</i>	es of E	Bottle Use	<b>"</b>	Oslavi-Nan Aves
							1	Calculation Area
							"	eight of water column = Depth to water =
50	of shipme		=/	Courier tand Deilver		_		
(lab nan	19)		- V			11		
Weli Nu	mber:	MU/D	Wel	I Diameter:_	4	4	Ì	
Depth o	f Water:	38.89	Ŧ.	2" (0.16 g	gallon /	feet)		
Well De	pth:	71.00	<del>'</del> _ '	<b>本" (0.65</b> (	_	-	1	
		olumn: 7.9		<b>5"</b> (1.02)	_	-	ļ	
		galions) <u>/9</u> galions) <u>5-</u>	Z	☐ 6" (1.47 )	gallon/ i	eet)		80% DTW_ 39.43'
to		Volume Purged (galions)	Totalizer Reading	Temperature F	рH	Cond. ms/ cm	Turbidity (NTU)	Remarks
16 5	Jer +	0		70.1	748	1.23		Selector,
09		1.94,		70.6	7.59	1.72		Cloudy-furbal-GrA
20 5	57017	I DE PER	OVER/	AMPLE	3	TER	j	/
	_ ′							
$\neg$	•	<del></del>						
1								
_	5 6	e ti						:
0	Duy)			1	1			ļ. <u></u>
0	Dun()	-	<b> </b>					
0	Deur ()							
0	Jun()							



Project Location: 594	Date:				
·	•				
Site Conditions/yyeather:		LFR Staff: BTW  SEA			
Project Location: Square Fee Spanes Day: M T M  Site Conditions/Weather: LFR Staff: 87  Comments:   SAMPLING METHOD					
		MW11-021105			
<u> </u>	Tolsposable Baller	Sample Number:			
<u> </u>		☐ FB:			
Hand Ball					
A 1 1 - Marrow a A - d					
		Substitute Asses			
Mathed of chinmant	Courier				
_					
(lab name)		, .e.			
Wall Number MW/	Well Diameter:				
Depth of Water: 38-84	<del>_</del>	•			
Well Depth: 9/-92		· ·			
	. · · · · · · · · · · · · · · · · · · ·				
C	<b>#</b>	вож отw <u> 37.46</u>			
2 44411 401011109: (Ballotis)					
Time Depth Volume to, Water Purged (gallons)		Turbidity Remarks (NTU)			
4211	70.3 745 1.32	State-clear			
	5. 0 70 100k	2 100 my / 500			
	1707 1/3911659 1	TIATIEN DIVINITIA			
03/ 1.94		- Miles My Juan			
03/ 1.94		TAILED LY TOUR			
03/ 1.94		- Ailer Dy June			
03/ 1.94		- Ailer Ly / Sug			
03/ 1.94	VER/SAMPLE ULTER	- Miles Ly June			
103/ 1.9m.		- Ailer Dy Jug			
03/ 1.94	VER/SAMPLE ULTER				
103/ 1.9m.	VER/SAMPLE ULTER				
103/ 1.9m.	VER/SAMPLE ULTER	- Parler Dy Jung			
103/ 1.9m.	VER/SAMPLE ULTER				
103/ 1.9m.	VER/SAMPLE ULTER				

### APPENDIX C

Laboratory Reports and Chain-of-Custody Forms



# SunStar Laboratories, Inc.

22 February 2005

Jennifer Rothman LFR Levine-Fricke 3150 Bristol Street #250 Costa Mesa, CA 92626

RE: Bodycote Technibraze-1

Enclosed are the results of analyses for samples received by the laboratory on 02/17/05 17:00. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Dennis Dorning For Ben Beauchaine

**Laboratory Supervisor** 

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW11-021705	T500194-01	Water	02/17/05 13:10	02/17/05 17:00
MW10-021705	T500194-02	Water	02/17/05 13:00	02/17/05 17:00
MW9-021705	T500194-03	Water	02/17/05 12:50	02/17/05 17:00
MCA2-021705	T500194-04	Water	02/17/05 12:35	02/17/05 17:00
MW14-021705	T500194-05	Water	02/17/05 12:20	02/17/05 17:00
MCA4-021705	T500194-06	Water	02/17/05 12:10	02/17/05 17:00
MCA1-021705	T500194-07	Water	02/17/05 12:00	02/17/05 17:00
MW12-021705	T500194-08	Water	02/17/05 11:50	02/17/05 17:00
MW8-021705	T500194-09	Water	02/17/05 11:35	02/17/05 17:00
MCA3-021705	T500194-10	Water	02/17/05 11:20	02/17/05 17:00
MW1-021705	T500194-11	Water	02/17/05 07:30	02/17/05 17:00
MW2-021705	T500194-12	Water	02/17/05 08:30	02/17/05 17:00
MW3-021705	T500194-13	Water	02/17/05 10:00	02/17/05 17:00
MW7-021705	T500194-14	Water	02/17/05 10:40	02/17/05 17:00
MW6-021705	T500194-15	Water	02/17/05 11:15	92/17/05 17:00
DUP-021705	T500194-16	Water	02/17/05 00:00	02/17/05 17:00
EB-021705	T500194-17	Water	02/17/05 06:45	02/17/05 17:00
MW5-021705	T500194-18	Water	02/17/05 11:50	02/17/05 17:00

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004
Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### MW11-021705 T500194-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	_ Batch	Prepared	Analyz <u>ed</u>	Method	Notes
		SunStar La	aborator						
Volatile Organic Compounds by EP.	A Method 8260B			-					
Bromobenzene	ND	1.0	ug/l	1	5021813	02/18/05	02/18/05	EPA 8260B	
Bromochloromethane	ND	1.0			<b>m</b>	"	**	n	
Bromodichloromethane	ND	1.0		₩.	-	11		п	
Bromoform	ND	1.0	T	"	n	"	"		
Bromomethane	ND	1.0	"	"	н	π	-	"	
n-Butylbenzene	ND	1.0	н		-	,	•	₩.	
sec-Butylbenzene	ND	1.0	и	н	4	и			
tert-Butylbenzene	ND	1.0	н	H		и	н	•	
Carbon tetrachloride	ND	0.50			-	ч		"	
Chlorobenzene	סא	1.0		н		п			
Chloroethane	ND	1.0	7	"	4	-			
Chloroform	ND	1.0	"	u	•	**	₩	н	
Chloromethane	ND	1.0	p.		-	"	n	7	
2-Chlorotoluene	ND	1.0		н	n	n	"	"	
4-Chlorotoluene	ND	1.0		п	h	и	d		
Dibromochloromethane	ND	1.0	н	#		ч	п		
1.2-Dibromo-3-chloropropane	ND	1.0	"	,	,	=	п	Ħ	
1,2-Dibromoethane (EDB)	ND	1.0		-	•	77	4		
Dibromomethane	ND	1.0	п		<del>"</del>	,	77	н	
1,2-Dichlorobenzene	ND	1.0	-	н	<b>H</b>		"		
1,3-Dichlorobenzene	ND	1.0	н	Ħ	n	· ·	п		
1,4-Dichlorobenzene	ND	0,1	н				ч	11	
Dichlorodi fluoromethane	ND	0.50	н	-	11	PT			
1,1-Dichloroethane	ND	1.0	п	•	"	**	**	₩	
1,2-Dichloroethane	ND	0.50	n			n	,	h	
1,1-Dichloroethene	ND	1.0	77	11	•		"	II.	
cis-1,2-Dichloroethene	ND	1.0	я	•	n	·		II.	
trans-1,2-Dichloroethene	ND	1.0	я	н	n		4	II.	
1,2-Dichloropropane	ND	1.0	и	7		₩	17		
1,3-Dichloropropane	ND	1.0	и			-	a	-	
2,2-Dichloropropane	ND	1.0	Ħ			п	n	n	
1,1-Dichloropropene	ND	1.0			-	n		h	
cis-1,3-Dichloropropеле	ND	0.50	"	•	"	п	и	h	
trans-1,3-Dichloropropene	ND	0.50		<b>H</b>	ч		17	77	
Hexachlorobutadiene	מא	1.0	и		п	-			
Isopropylbenzene	ND	1.0	и		•	,	71	n	
. 17		*							

SunStar Laboratories, Inc.

0.12

LFR Levine-Fricke

3150 Bristol Street #250 Costa Mesa CA, 92626 Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/27/05 08:07

#### MW11-021705 T500194-01 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Baich	Prepared	Analyzed	Method	Notes
		SunStar La	aborator	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
p-Isopropyltoluene	ND	1.0	ug/l	I	5021813	02/18/05	02/18/05	EPA 8260B	
Methylene chloride	ND	1.0	и		п	n	ц		
Naphthalene	ND	1.0		n	•		•	,,	
n-Propylbenzene	ND	1.0	17	•	H	•		n	
Styrene	ND	1.0	7	-	<del></del>	r	•		
1,1,2,2-Tetrachloroeihane	ND	1.0	**	n	•	•	п	"	
1,1,1,2-Tetrachloroethane	ND	1.0	п			•	N	M	
Tetrachloroethene	520	1.0			11	11		•	
1,2,3-Trichlorobenzene	ND	1.0	11		n	h		<b>n</b>	
1,2,4-Trichlorobenzene	ND	1.0	n	-		n	•	,,	
1,1,2-Trichloroethane	ND	1,0	U	•	•	•	"	h	
1,1,1-Trichloroethane	ND	1.0	**	"	,			7*	
Trichloroethene	12	1.0	н	п	п	,	-	M	
Trichlorofluoromethane	ND	1.0	"	ч		"	n		
1,2,3-Trichloropropane	מא	1.0	н				"	1)	
1,3,5-Trimethylbenzene	ND	1.0	4	н	•	•	4	Ħ	
1,2,4-Trimethylbenzene	ND	1.0	17	-	-	₩	н	н	
Vinyl chloride	ND	0.50	17	17	h	-	₩.	₩	
Benzene	ND	0.50	п	7	"	77	h	-	
Toluene	1.3	0.50	h	п	11		-	"	
Ethylbenzene	ND	0.50	н	•			h	•	
m.p-Xylene	ND	1.0	и	-	7		"	н	
o-Xylene	ND	0.50	и	77	₩	•	ч	η	
Surrogate: Toluene-d8		99,0 %	87.6	5-115	-	-	н	п	
Surragate: 4-Bromofluorobenzene		90.2 %	80-	-112	*	•	"	-	
Surrogate: Dibromofluoromethane		102 %	78.6	5-122	•	-	-	**	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-I

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW10-021705 T500194-02 (Water)

Analyte Resu	Reporting	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
•	SunStar L	aboratoi	ies, Inc.					
Volatile Organic Compounds by EPA Method 82	60B							
Bromobenzene N		ug/l	1	5021813	02/18/05	02/18/05	EPA 8260B	
Bromochloromethane N	D 1.0	"	h	h	,	'n	,,	
Bromodichloromethane N	D 1.0	п	•	-	U		"	
Bromoform N	D 1.0	н			"		-	
Bromomethane N	D 1.0	н	٩			н	•	
n-Butylbenzene N	D 1.0		-		п	•	-	
sec-Butylbenzene N	D 1.0	17	17	TT TT	4	-	-	
tert-Butylbenzene N	D 1.0	o	7	-	•	h	•	
Carbon tetrachloride N	D 0.50	n	-	7	•	,	ly .	
Chlorobenzene N	D.1	n		"	n		-	
Chloroethane N	D 1.0	"		•	"		•	
Chloroform N	D 1.0	н	-		Ħ	-	•	
Chloromethane N	D 1.0		ħ		₹.	₩.	7	
2-Chlorotoluene N	D 1.0	Ιτ	-	.,	₩	*	•	
4-Chlorotoluene N	D 1.0	17	₩	14	h	-	"	
Dibromochloromethane N	0.1 C	"	₩.	77	"	п	"	
1,2-Dibromo-3-chloropropane N	D 1.0	п	7	л	-	п	н	
1,2-Dibromoethane (EDB) N	D 1.0	11	h	п		π		
Dibromomethane N	D.1	"	"	п	u	₩	•	
1,2-Dichlorobenzene N	D 1.0	п	•	R	=	. #	-	
1,3-Dichlorobenzene N	D 1.0	н		4	f	n	-	
1,4-Dichlorobenzene N	D 1.0	п	44	Ħ	77	-	-	
Dichlorodifluoromethane N	D 0.50	н	H	н	,	U	h	
1,1-Dichloroethane N	D 1.0	17	<del>"</del>	h	h	ч		
1,2-Dichloroethane N	D 0.50		h	n	и	-	n	
1,1-Dichloroethene N	D 1.0	н	ij	.,	"	-	7	
cis-1,2-Dichloroethene N	D 1.0	"	h	bq	π	7	•	
trans-1,2-Dichloroethene N	D 1.0	h	ıl	п		7	,	
1,2-Dichloropropane N	D 1.0	и	<b>H</b>	-	n		,	
1,3-Dichloropropane N	D 1.0	н		-	"	п		
2,2-Dichloropropane N	D 1.0	11	7	<b>h</b>	n	"		
1,1-Dichloropropene N	D 1.0	<del>"</del>	,	n	"	π		
cis-1,3-Dichloropropene N	D 0.50	**	h	11	н	h	•	
trans-1,3-Dichloropropene N	D 0.50	"	"	ч	π	ų	71	
	D 1.0				-		7	
	D 1.0	н	"					
p-Isopropyliolucne N	D 1.0			4		n		

SunStar Laboratories, Inc.

LFR Levine-Fricke

3150 Bristol Street #250 Costa Mesa CA, 92626 Project: Bodycote Technibraze-I

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW10-021705 T500194-02 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B	-							
Methylene chloride	DN	1.0	ug/l	1	5021813	02/18/05	02/18/05	EPA 8260B	
Naphthalene	ND	1.0		п	~	11	F	"	
n-Propylbenzene	ND	1.0	lt.	-	77	77	,	-	
Styrene	ND	1.0	н	H	n n	n			
1,1,2,2-Tetrachlorocihane	ND	1.0		μ		H	4	n	
1,1,1,2-Tetrachloroethane	ND	1.0	71		•	и	н	ч	
Tetrachloroethene	2100	10	,,	10	•	₩	•	n	
1,2,3-Trichlorobenzene	ND	1.0	н	1	,	10	•	17	
1,2,4-Trichlorobenzene	ND	1.0	н	н		þi		77	
1,1,2-Trichloroethane	NĐ	1.0	17	77		и	•	pt	
1,1,1-Trichloroethane	ND	1.0		h	*		н	H	
Trichloroethene	44	1.0	h		+		+	n	
Trichlorofluoromethane	ND	1.0	μ	11	-	,,	•	**	
1;2,3-Trichloropropane	ND	1.0	ls .	tr	-	h	п	,,	
1,3,5-Trimethylbenzene	ND	1.0	e.	π-	•	n	h	ji .	
1,2,4-Trimethylbenzene	ND	1.0		n	и	и	4		
Vinyl chloride	ND	0.50	*1		Ħ	~	•	19	
Benzenc	ND	0.50	п	n	-	0	и	**	
<b>Tol</b> uene	0.99	0.50	п		٠.	"	•	n	
Ethylbenzene	ND	0.50	н			n.		h	
m,p-Xylene	ND	1.0	n	-	н				
o-Xylene	מא	0.50	-	77	۹		<b>.</b>	"	
Surrogate: Toluene-d8		99.0 %	87.6	5-115	-	P	"	7	-
Surrogate: 4-Bromofluorobenzene		89.2 %	80-	-112		r	"	-	
Surragate: Dibromofluoromethane		95.5 %	78.6	5-122	я	~	r	#	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW9-021705 T500194-03 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Note
		SunStar La	aborator	ies, Inc.					
Volatile Organic Compounds by EP	A Method 8260B								
Bromobenzene	ND	1.0	ug/l	1	5021813	02/18/05	02/18/05	EPA 8260B	_
Bromochloromethane	ND	1.0	н	4	7	ч	ч	н	
Bromodichloromethane	ND	1.0	71	-	я	N	u	•	
Bromoform	ND	1.0	**		"	π	н	•	
Bromomethane	ND	1.0	"	-	"	#		-	
n-Butylbenzene	ND	1.0		77			=		
sec-Butylbenzene	ND	1.0		н	4	n	π-	•	
tert-Butylbenzene	ND	1.0		"		"	n		
Carbon tetrachloride	ND	0.50				"	"	-	
Chlorobenzene	ND	1.0			•	"	"		
Chloroethane	ND	1.0	fT .	lt.	п	н	n	•	
Chloroform	ND	1.0		-		4	h	₩	
Chloromethane	ND	1.0		-	h	H	ч		
2-Chlorotoluene	ND	1.0	-	-	•	. "			
4-Chlorotoluene	ND	0.1	+1	77	<b>*</b>	"	4		
Dibromochloromethane	ND	1.0	n	by .	"	n	u	<del>π</del>	
1,2-Dibromo-3-chloropropane	ND	1.0	"	н		н	•	•	
1,2-Dibromoethane (EDB)	ND	1.0	"			•	•		
Dibromomethane	ND	1.0	н	"	•	77		-	
1,2-Dichlorobenzene	ND	1.0					•	n	
1,3-Dichlorobenzene	ИD	1.0	и			"	n	-	
1,4-Dichlorobenzene	ND	1.0	и	н	H	n	"	77	
Dichlorodifluoromethane	ND	0.50	11	4		n	"	4	
1,1-Dichloroethane	ND	1.0	IT	**	***	h	h	₩	
1,2-Dichloroethane	ND	0.50	n	11	-	ч		N	
1,1-Dichloroethene	ND	1.0	P	ŋ	7	ıı .	и	m	
cis-1,2-Dichloroethene	ИĎ	0.1	n	ч	n	u	ш	h	
trans-1,2-Dichlorocthene	ND	1.0	"	11	n	. 4	н	h	
1,2-Dichloropropane	ND	1.0		ч	"	H		10	
1,3-Dichtoropropane	ND	1.0	ц	н	-	٩	.,	•	
2,2-Dichloropropane	ND	1.0			It	17	77		
1,1-Dichloropropene	ND	1.0	п	n	ħ	'n	**	*	
cis-1,3-Dichloropropene	ND	0.50		n	Ħ	7	,,	П	
trans-1,3-Dichloropropene	ND	0.50		н	-	ji	"	7	
Hexachlorobutadiene	ND	1.0	77	"	-	п	,,	₩.	
Isopropylbenzene	ND	1.0	н				н		
p-Isopropyltoluene	ND	1.0	h		"	-	li		

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

12-12-

LFR Levine-Fricke

3150 Bristol Street #250 Costa Mesa CA, 92626 Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW9-021705 T500194-03 (Water)

Analyte	Result	Reporting <u>Limit</u>	Units	<u>Dilutjon</u>	Baich	Prepared	Analyzed	Method	Notes
		SunStar La	iborato	ries, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Methylene chloride	ND	1.0	սը/1	l	5021813	02/18/05	02/18/05	EPA 8260B	
Naphthalene	ND	1.0	n	"	h	7	,	•	
n-Propylbenzene	ND	1.0	н	-			n		
Styrene	ND	1.0	п	н			h	n	
1,1,2,2-Tetrachloroethane	ND	1,0	н	<del></del>		•	ıı.	,	
1,1,1,2-Tetrachloroethane	2.8	1.0	п	,,		π	н	н	
Tetrachloroethene	1500	10		10		'n	П	•	
1,2,3-Trichlorobenzene	ND	1.0	**	1	•	•	-	•	
1,2,4-Trichlorobenzene	ND	1.0		h	n	n n	,		
1,1,2-Trichloroethane	ND	1.0	"				h	Ħ	
1,1,1-Trichloroethane	ND	1.0	"	•	u	"	4	n	
Trichloroethene	24	1.0	hi .	"	п	"	ħ	h	
Trichlorofluoromethane	ND	1.0	н	-	п	-	•		
1,2,3-Trichloropropane	ND	1.0	lτ	11	n		•	п	
1,3,5-Trimethylbenzene	ND	1.0	н	•	,	"	-	н	
1,2,4-Trimethylbenzene	ND	1.0		п	,,	я		"	
Vinyl chloride	NĐ	0.50	**	н	н	ц		Ħ	
Benzene	ND	0.50	n	п	ч	п		m	
Toluene	ND	0.50	11		"	R	"	b	
Ethylbenzene	ND	0.50	н		11	77	н	7	
m,p-Xylene	ND	1.0	μ		-	**	"	п	
o-Xylene	ND	0.50	п	"	17	'n	14	N	
Surrogate: Toluene-d8		99.5 %	87.6	6-115	· ·	μ	•	μ	_
Surrogate: 4-Bromofluorobenzene		88.2 %	80	-112	,,	•	-	~	
Surrogate: Dibromofluoromethane		103 %	78.0	5-122	"	"	ri	r	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MCA2-021705 T500194-04 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborator	ies, Inc.				•	
Volatile Organic Compounds by EPA Med	hod 8260B			-					
Bromobenzene	ND	1.0	ug/t	1	5021813	02/18/05	02/18/05	EPA 8260B	
Bromochloromethane	ND	1.0	n	"	7				
Bromodichloromethane	ND	1.0			٠	"	•	17	
Bromoform	ND	1.0			-	h	н	**	
Bromomethane	ND	1.0	,		**	и		π-	
n-Butylbenzene	ND	1,0	h				п	-7	
sec-Butylbenzene	ND	1.0	n	н	н		77	,,	
tert-Butylbenzene	ND	- 1.0			h	"	+	79	
Carbon tetrachloride	ND	0.50		-	44	"	"	**	
Chlorobenzene	ND	1.0	h	н		н	"	h	
Chloroethane	ND	1.0	п	п	•	•		,,	
Chloroform	ND	1.0	•		•	ч	-	"	
Chloromethane	ND	1.0	п	ш		<del></del>	п		
2-Chlorotoluene	ND	1.0		u		-	"	"	
4-Chlorotoluene	ND	1.0		.,	-	•		n	
Dibromochloromethane	ND	1.0	n	-	-	<del></del>			
1,2-Dibromo-3-chloropropane	ND	1.0	,,	н	н	-	"	"	
1,2-Dibromoethane (EDB)	ND	1.0		-	-	-		h	
Dibromomethane	ND	1.0			-	-		н	
1,2-Dichlorobenzene	ND	1.0	н	-			н	h	
1,3-Dichlorobenzene	NĐ	1.0		n	-	,	•	н	
1,4-Dichlorobenzene	ND	1.0		н	п	,	•		
Dichlorodifluoromethane	ND	0.50		•	-	"	п	н	
I, I-Dichloroethane	מא	1.0	и		π-				
1,2-Dichloroethane	ND	0.50		-	77		4	н	
1,1-Dichloroethene	ND	1.0		7	ħ7	п		н	
cis-1,2-Dichloroethene	ND	1.0	h	h	π-	"	•	NT.	
trans-1,2-Dichloroethene	ND	0.1		"	<b>H</b>	h	н	п	
1,2-Dichloropropane	ND	1.0	ч	,	-1	4	•	n	
1,3-Dichloropropane	ND	1.0	19		"	m	-	π-	
2,2-Dichloropropane	ND	1.0	и	0	h	п	•	17	
1,1-Dichloropropene	ND	1.0	**	"	h	R	-	7	
cis-1,3-Dichloropropene	ND	0.50		,,,	n	п	"	n	
trans-1,3-Dichloropropene	ND	0.50	n		n	п	,	n	
Hexachlorobutadiene	ND	1.0	tr		"	•	n	N	
Isopropylbenzene	ND	1.0	t <del>y</del>			•		n	
p-Isopropyltolucne	ND	1.0	-	n	n	77	ıı	11	

SunStar Laboratories, Inc.

\_

Project: Bodycote Technibraze-I

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW14-021705 T500194-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborator	ries, Inc.					
Volatile Organic Compounds by EPA	A Method 8260B								
Bromobenzene	ND	1.0	ug/l	1	5021813	02/18/05	02/18/05	EPA 8260B	
Bromochloromethane	ND	1.0		-	7	н		h	
Bromodichloromethane	ND	1.0		P	-	-	п		
Bromoform	ND	1.0	İt		-	"	4	ч	
Bromomethane	ND	1.0			-		<del></del>	н	
n-Butylbenzene	NĎ	1.0			,	u	"	•	
sec-Butylbenzene	ND	1.0	"		4	п		n	
tert-Butylbenzene	ND	1.0	н	-	-	-	"	h	
Carbon tetrachloride	ND	0.50	17	-		н	π	н	
Chlorobenzene	מא	1.0	17				+	N	
Chloroethane	ИD	1.0	н	"	<b>H</b>	π		•	
Chloroform	ND	1.0	**		-	-		7	
Chloromethane	ND	1.0	п		4	-			
2-Chlorotoluene	ND	1.0	и	-	-	"	44	ч	
4-Chlorotoluene	ND	1.0	ц	,	-	4	٩	п	
Dibromochloromethane	ND	1.0	n	-		•	н	•	
1,2-Dibromo-3-chloropropane	ND	1.0	"	19	,,		n	**	
1,2-Dibromoethane (EDB)	ND	1.0	н	n		7	"	n	
Dibromomethane	ND	1.0	11			77	٩		
1,2-Dichlorobenzene	ND	1.0	п	ŀr			•		
1,3-Dichlorobenzene	ND	1.0	11	-	-	•	•		
1,4-Dichlorobenzene	ND	1.0	r	•	<b>H</b>	п	п		
Dichlorodifluoromethane	ND	0.50	*1	h	7	н	п	<del></del>	
1,1-Dichloroethane	ND	1.0	**	n	"	7	"	"	
1,2-Dichloroethane	ND	0.50	As .	"	•	•		п	
1,I-Dichloroethene	14	1.0	н		4	n	•	u	
cis-1,2-Dichloroethene	ND	1.0	Ιτ		n	H	"	н	
trans-1,2-Dichloroethene	ND	1.0	ri		h	-		-	
1,2-Dichloropropane	ND	1.0	ę1	h	и			"	
1,3-Dichloropropane	ND	1.0	н	u	•		•	h	
2,2-Dichloropropane	ND	0.1	n	-	π	'n	п	n	
1,1-Dichloropropene	ND	1.0	17		<b>H</b>	h	<b>n</b>	n	
cis-1,3-Dichloropropene	ND	0.50	п		h	н	"	π	
trans-1,3-Dichloropropene	ND	0.50	r	"	u	•		**	
Hexachlorobutadiene	מא	1.0	п			,	•	"	
Isopropylbenzene	ND	1.0	п		77	п	**	ч	
p-Isopropyltoluene	ND	1.0	п	-	77	н	h	н	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

212

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MCA2-021705 T500194-04 (Water)

Analyte	Reşulı	Reporting Limit	_Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborator	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Methylene chloride	ND	1.0	ug/l	ı	5021813	02/18/05	02/18/05	EPA 8260B	
Naphthalene	ND	1.0	**	"	-	'n	π	· ·	
n-Propylbenzene	ND	1.0	*1	н	π	n .	Ħ	•	
Styrene	ND	1.0	"	Ħ	Ħ		77	u	
1,1,2,2-Tetrachloroethane	ND	1.0	п	₩	h	ч	h	n	
1,1,1,2-Tetrachloroethane	ND	1.0	,,	-	n	u	п	н	
Tetrachloroethene	490	1.0	h	n		u	7	ч	
1,2,3-Trichlorobenzene	ND	1.0	и	h	h	ш	19	79	
1,2,4-Trichlorobenzene	ND	1.0	и	n		•	"	71	
1,1,2-Trichloroethane	ND	1.0	и		н	н		b	
l,l,I-Trichlorocthane	ND	1.0				-			
Trichloroethene	6.7	1,0	и		•	•	•		
Trichlorofluoromethane	ND	0.1	н			•	7		
1,2,3-Trichloropropane	ND	1.0	и	ц	٦	'n	<b>H</b>		-
1,3,5-Trimethylbenzene	ND	1.0		n	•		77	ч	
1,2,4-Trimethylbenzene	ND	1.0	н		-		77		
Vinyl chloride	ND	0.50	п	H	*	-		"	
Benzene	ND	0.50	н	•	*		н	r.	
Toluene	ND	0.50	17	•	n		•	н	
Ethylbenzene	ND	0.50	н	-	•	ч	h	-	
m,p-Xylene	ND	1.0	r	-	•		h	7	
o-Xylene	ND	0.50		•	•			7)	
Surrogate: Toluene-d8		99.0 %	87.6	-115	-	"	-	-	
Surrogate: 4-Bromofluorobenzene		90.8 %	80	112	10	,	-	<i>*</i>	
Surrogate: Dibromofluoromethane		101 %	78.6	-122	,			•	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-I

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW14-021705 T500194-05 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aboratoi	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Methylene chloride	ND	1.0	ug/l	1	5021813	02/18/05	02/18/05	EPA 8260B	•
Naphthalene	ND	1.0	н	н	h	"	lr .	7	
n-Propylbenzene	ND	1.0	ш		7	и	U	n .	
Styrene	ND	1.0	-	"			"	π.	
1,1,2,2-Tetrachloroethane	ND	1.0	п	٩			и	п	
1,1,1,2-Tetrachloroethane	ND	1.0		-	п	и	и	<b>#</b>	
Tetrachloroethene	1200	5.0	h	5	я	Ħ	ц	h	
1,2,3-Trichlorobenzene	ND	1.0		J	•	•	и	,	
1,2,4-Trichlorobenzene	ND	1.0	μ		-	m	ц	,	
1,1,2-Trichloroethane	ND	1.0			-	"	17	п	
J.,1,1-Trichloroethane	4.0	1.0	и	h	-	1,		п	
Trichloroethene	11	1.0	и		-		**	u	
Trichlorofluoromethane	ND	0.1	H	-	n	u u	n	н	
1,2,3-Trichloropropane	ND	1.0	n	4		u u	"	•	
1,3,5-Trimethylbenzene	ND	1.0	<del>~</del>	-	n	4	19	47	
1,2,4-Trimethylbenzene	ND	1.0	<del>"</del>	π	4	7			
Vinyl chloride	ND	0.50	n	•		•		n	
Benzene	ND	0.50	"	•	•	₩	n		
Toluene	ND	0.50	*	•	•	77			
Ethylbenzene	ND	0.50	,,	•	•	"	•	"	
m,p-Xylene	ND	1.0	'n		+	*	**	н	
o-Xylene	ND	0.50			n		•	"	
Surrogate: Toluene-d8		100 %	87.0	5-115	~	-	ŗ	pi	_
Surrogate: 4-Bromofluorobenzene		93.8 %	80	-112	~	,	ır	n	
Surrogate: Dibromofluoromethane		103 %	78.6	5-122	"	"	**	F	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MCA4-021705 T500194-06 (Water)

Analyte	Result	Reporting <u>Limit</u>	Units	Dilutjon	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	borator	ies, Inc.		•		-	
Volatile Organic Compounds by EPA N	1cthod 8260B			-					
Bromobenzene	ND	1.0	ug/l		5021813	02/18/05	02/18/05	EPA 8260B	
Bromochloromethane	ND	1.0	10	11	-	=		₩	
Bromodichloromethane	ND	1.0	-	H	-		"		
Bromoform	ND	1.0	п	**	н		4	-	
Bromomethane	ND	1.0		•	•	,,	п	٩	
n-Butylbenzene	ND	1.0	.,	•	-	<b>#</b>	"	7	
sec-Butylbenzene	ND	1.0	17	-	-	P		7	
tert-Butylbenzene	ND	1.0	19	п			,	•	
Carbon terrachloride	ND	0.50	ur.	-	•		n	н	
Chlorobenzene	ND	1.0	н		•			•	
Chloroethane	ND	1.0	11		-	77	n	•	
Chloroform	ND	1.0				₩.	n	•	
Chloromethane	ND	1.0	4		• .	п		и	
2-Chlorotoluene	ND	1.0			-	-	h	N	
4-Chlorotoluene	ND	1.0	Я			77	н	11	
Dibromochloromethane	ND	1.0	"			<b>.</b>		٠	
t,2-Dibromo-3-chloropropane	ND	1.0	"		•			h	
1,2-Dibromocthane (EDB)	ND	1.0	71	ц	-	-	17	п	
Dibromomethane	ND	1.0	71			-	4	n	
1,2-Dichlorobenzene	ND	1.0	*1		-	-	44		
1,3-Dichlorobenzene	ND	1.0	п				н	-	
1,4-Dichlorobenzene	ND	0.1	U	н	•	<b>)</b>		le .	
Dichlorodifluoromethane	ND	0.50	77	н	-	10		4	
1,1-Dichloroethane	ND	1.0	II.			U		"	
1,2-Dichloroethane	ND	0.50	Ħ		-	h		in .	
1,1-Dichloroethene	6.1	1.0	17	h	-	<b>n</b>		n	
cis-1,2-Dichloroethene	ND	1.0	17	h	π	,		m	
trans-1,2-Dichloroethene	ND	1.0	ч	11	r.	11		h	
1,2-Dichloropropane	ND	1.0	и			h		h	
1,3-Dichloropropane	ND	1.0	ч		•	h	"	<b>#</b>	
2,2-Dichloropropane	ND	1.0		,	•		ıı	77	
1,1-Dichloropropene	ND	1.0	и	,	•	-	ıı	<del>-</del>	
cis-1,3-Dichloropropene	ND	0.50	и	-	•	-	7	<del></del>	
trans-1,3-Dichloropropene	ND	0.50	и	11	π	6	и	<del></del>	
Hexachlorobuladiene	ND	1.0	н	,	n	~	))	=	
Isopropylbenzene	ND	1.0	п				**		
p-Isopropy)toluene	ND	1.0		,	9	•	••		

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

12-12-

Project: Bodycote Technibraze-1 Project Number: 002-1027200-004

Project Number: 002-1027200-004 Reported:
Project Manager: Jennifer Rothman 02/22/05 08:07

#### MCA4-021705 T500194-06 (Water)

Analyte	Result	Reporting Limit	<u>Unjis</u>	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborator	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Methylene chloride	ND	1.0	ug/l	l	5021813	02/18/05	02/18/05	EPA 8260B	
Naphthalene	ND	1.0	íτ		H	•	"	R	
n-Propylbenzene	ND	1.0	D		-	"	n	н	
Styrene	ND	1.0	0		-		7	स	
1,1,2,2-Tetrachloroethane	ND	1.0	D			-	"	•	
1,1,1,2-Tetrachloroethane	3.0	1.0	17					н	
Tetrachloroethene	5600	10	17	10	н	h	,,	н	
1,2,3-Trichlorobenzene	ND	1.0	D	l		-	h	•	
1,2,4-Trichlorobenzene	ND	1.0	D	.,			"	н	
1,1,2-Trichloroethane	ND	0.1	17	-			h	•	
l,l,l-Trichtoroethane	ND	1.0	17		41		"	+	
Trichloroethene	18	1.0	**	•	"			-	
Trichlorofluoromethane	ND	1.0	17		"	-	п		
1,2,3-Trichloropropane	ND	0.1	TP.	•		-	-	<del>"</del>	
1,3,5-Trimethylbenzene	ND	1.0	17	-	47			π-	
1,2,4-Trimethylbenzene	ND	1.0	17		ч		ıı .	₩	
Vinyl chloride	ND	0.50	17			Ħ	н	п	
Benzene	ND	0.50	11	•		-	"		
Toluene	ND	0.50	4	н	**		"	π-	
Ethylbenzene	ND	0.50		n			4	₩	
m,p-Xylene	ND	1.0	11	4	π	•		h	
o-Xylene	ND	0.50	17		п			7	
Surrogate: Toluene-d8		99.5 %	87.6	-115	11	,,	ır	r	
Surrogate: 4-Bromofluorobenzene		87.5 %	80-	112		"	<b>π</b>		
Surragate: Dibromofluoromethane		102 %	78.6	-122	rt	,	11	•	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-I Project Number: 002-1027200-004

Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### MCA1-021705 T500194-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analvzed	Method	Notes
		SunStar L:	aborator	ies, Inc.					•
Volatile Organic Compounds by EP	A Method 8260B								
Bromobenzene	ND	1.0	ug/l	1	5021813	02/18/05	02/18/05	EPA 8260B	
Bromochloromethane	ND	1.0	u	-		-	н	**	
Bromodichloromethane	ND	1.0	rı.	n			-	**	
Bromoform	ND	1.0	•	,		ħ	-	<b>n</b>	
Bromomethane	ND	1.0	71	-	-	n	-	n	
n-Butylbenzene	ND	1.0	71	•	•	٩	**	n	
sec-Butylbenzene	ND	1.0	"	"	•		7	h	
tert-Butylbenzene	ND	1.0	"		•	•	<b>#</b>		
Carbon tetrachloride	ND	0.50	"		₩	-	"	и	
Chlorobenzene	ND	1.0	н		-	н	"		
Chloroethane	ND	1.0	н	7	•	-	7	n	
Chloroform	ND	0.1	17	п	•	•	h		
Chloromethane	ND	1.0	и	•	₩	٩	н	н	
2-Chlorotoluene	ND	1.0	.,		•	+	"		
4-Chlorotoluene	ИD	1.0	11	n	•	•	"	-	
Dibromochloromethane	ND	1.0	**	-	-		n	н	
1,2-Dibromo-3-chloropropane	ND	1.0	.,	-	₩	п	-	ч	
1,2-Dibromoethane (EDB)	ND	1.0	Ir	**	•	H	"		
Dibromomethan <del>e</del>	· ND	1.0	17	п	•	•	"		
1,2-Dichlorobenzene	ND	1.0	11	•	•	Ħ	"		
1,3-Dichlorobenzene	ND	1.0	"	"	-		11		
1,4-Dichlorobenzene	ND	1.0	"	H	<b>m</b>		"	4	
Dichlorodifluoromethane	ND	0.50	"	•	-	<b>#</b>		tı .	
I,1-Dichloroethane	ND	1.0	n	п	-	•	-	н	
1,2-Dichloroethane	ND	0.50	"	н	-			h	
1,1-Dichloroethene	ND	1.0	"	•	•			"	
cis-1,2-Dichloroethene	ND	1.0	н	~	-	•		"	
trans-1,2-Dichloroethene	ND	1.0	U	F	-	•	ч	4	
1,2-Dichloropropane	ND	1.0	"	-	,	•		t <del>r</del>	
1,3-Dichloropropane	ND	1.0	n	-	n	•		PT	
2,2-Dichloropropane	ND	1.0	h	•					
1,1-Dichloropropene	ND	1.0	**	Ħ		,		71	
cis-1,3-Dichloropropene	ND	0.50	"	+	-	,	ч	77	
trans-1,3-Dichloropropene	ND	0.50	**		,	"		11	
Hexachlorobutadiene	ND	1.0	H	-	-	7	н	77	
Isopropylbenzene	ND	1.0	a	"	-		44		
p-Isopropyltoluene	ND	1.0	71	,	-		lq.	**	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

12.1C

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MCA1-021705 T500194-07 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EP	A Method 8260B								
Methylene chloride	ИD	1.0	ug/l	ı	5021813	02/18/05	02/18/05	EPA 8260B	·
Naphthalene	ND	1.0	п	n	m	n	=	•	
n-Propylbenzene	ND	1.0	и	•	in	n	"	k	
Styrene	ND	1.0		7)		"	þi	п	
1,1,2,2-Tetrachloroethane	ND	1.0		"	н			-	
1,1,1,2-Tetrachloroethane	2.6	1.0	n		н	н	и	ja.	
Tetrachloroethene	5100	10	"	10		н	h	-	
1,2,3-Trichlorobenzene	ND	1.0		1	n	ч	<del></del>	10	
1,2,4-Trichlorobenzene	ND	1.0		**		17	"	"	
1,1,2-Trichloroethane	ND	1.0		n		п	H	н	
1,1,1-Trichloroethane	ND	1.0	н	"		þ	u	•	
Trichloroethene	140	1.0	•			**	н	н	
Trichlorofluoromethane	ND	1.0	п	н	***	н	-	н	
1,2,3-Trichloropropane	ND	1.0	**	41	**	-	•	lų .	
1,3,5-Trimethylbenzene	ND	1.0	н	0	"	n	"	н	
1,2,4-Trimethylbenzene	ND	1.0	ч	•		by	"	"	
Vinyl chloride	ND	0.50	н	h	4		r		
Benzene	ND	0.50	n	п		н	•	n	
Toluene	ND	0.50	0		-	77	ч	9	
Ethylbenzene	ND	0.50	п	н	**		₩	н	
m,p-Xylene	ND	1.0	п		"	h	h	я.	
o-Xylene	ND	0.50	,,		'n	μ			
Surrogate: Toluene-d8		100 %	87.6	-115	н	ņ		n .	
Surrogate: 4-Bromofluorobenzene		91.0%	80-	112	н	ır	tr	e	
Surrogate: Dibromofluoromethane		103 %	78.6	-122	Pr	"	"	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples unalyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

12-12-

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### MW12-021705 T500194-08 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborator	ies, Inc.		<del>-</del>	<del>-</del>		
Volatile Organic Compounds by EPA	Method 8260B								
Bromobenzene	ND	1.0	ug/l	1	5021813	02/18/05	02/19/05	EPA 8260B	
Bromochloromethane	NÐ	1.0	п	"		"	h	n n	
Bromodichloromethane	ND	1.0				10	D	n	
Bromoform	ND	1.0	п	н		"		11	
Bromomethane	ND	1.0	**	II.	н	n	n	tı .	
n-Butylbenzene	ND	1.0	н	"	-			п	
sec-Butylbenzene	ND	1.0	μ.	н	14	-		77	
tert-Butylbenzene	ND	1.0		•	•		н	п	
Carbon tetrachloride	ND	0.50	μ		-	н	н	n	
Chlorobenzene	ND	1.0		-	**	п	Ħ	н	
Chloroethane	ND	1.0	m	17	<del></del>	7			
Chloroform	ND	1.0		h	h	•	•	r.	
Chloromethane	ND	1.0	-	-	n	-	п		
2-Chlorotoluene	ND	1,0		7	"	п	ч	77	
4-Chlorotoluene	ND	1.0	н	n	•	п	₩.	PT .	
Dibromochloromethane	ND	1.0		-	by .		-		
1,2-Dibromo-3-chloropropane	ND	1.0	н	"		•	7		
1,2-Dibromoethane (EDB)	ND	1.0	н	U	"	π.	-	त	
Dibromomethane	ND	1.0	п		h		7		
1,2-Dichlorobenzene	ND	1.0	n			,	n	π	
1,3-Dichlorobenzene	ND	1.0		h	h	+	<del></del>	ч	
1,4-Dichlorobenzene	ND	1.0	P	п		ŋ	,		
Dichlorodifluoromethane	ND	0.50	π-	п		"	h	77	
1,1-Dichloroethane	ND	1.0		-	te	11	-	-	
1,2-Dichloroethane	ND	0.50	,	н		ŋ	h	n	
1,1-Dichloroethene	ND	1.0	Ħ				"	-	
cis-1,2-Dichloroethene	ND	1.0	п	•	ч	19	h	н	
trans-1,2-Dichloroethene	ND	1.0		•	•	н	11	"	
1,2-Dichloropropane	ND	1.0	'n	n	-		n	н	
1,3-Dichloropropane	ND	1.0			•			н	
2,2-Dichloropropane	ND	1.0		N	π	h	"		
1,1-Dichloropropene	ND	1.0		•	•	ч		n	
cis-1,3-Dichloropropene	ND	0.50		٩	n	н		"	
trans-1,3-Dichloropropene	ND	0.50			n	п	4	и	
Hexachlorobutadiene	ND	1.0	r.	₹T	n	n		н	
Isopropylbenzene	ND	1.0	n		19			11	
p-Isopropylloluene	ND	1.0		71	n	ń	п	ч	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2.1

LFR Levine-Fricke

3150 Bristol Street #250 Costa Mesa CA, 92626 Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW12-021705 T500194-08 (Water)

Analyle	Result	Reporting Limit	Units	Dilution	Baich	Prepared	Analvzed	Method	Notes
		SunStar La	borator	ies, Inc.					
Volatile Organic Compounds by EPA Mo	thod 8260B								
Methylene chloride	ND	1.0	ug/I	1	5021813	02/18/05	02/19/05	EPA 8260B	
Naphthalene	ИD	1.0	त	न	7		"		
n-Propylbenzene	ND	1.0	7	7		77			
Styrene	ND	1.0		"		•	**	"	
1,1,2,2-Tetrachloroethane	ND	1.0	,,			₩.	•	7	
1,1,1,2-Tetrachloroethane	ND	1.0	,,		н	-	4	ŧτ	
Tetrachloroethene	210	1.0	Iτ	H	-	7	-	•	
1,2,3-Trichlorobenzene	ND	1.0	п		-		"	•	
1,2,4-Trichlorobenzene	ND	1.0	lt.	•				n	
1,1,2-Trichloroethane	ND	1.0		-	•	"		Ŋ	
1,1,1-Trichloroethane	ND	1.0	*1	π	•	ч	•		
Trichloroethene	9.4	1.0	"	**	11	-	-	н	
Trichlorofluoromethane	ND	1.0	п	μ			-	n	
1,2,3-Trichloropropane	ND	1.0	4	"		*		"	
1,3,5-Trimethylbenzene	ND	0.1	h	11	H	n	n	₩	
1,2,4-Trimethylbenzene	ND	1.0	и	ч	u	n	n	h	
Vinyl chloride	ND	0.50	н		н	n	-	"	
Benzene	ND	0.50				n	п	н	
Toluenc	ND	0.50		•	77	4	H	ч	
Ethylbenzene	ND	0.50		-	,	н		u	
m,p-Xylene	ND	1.0	ri	₩.	,	lı .	н	а	
o-Xylene	ND	0.50	11	7	ц	Ħ	n	R	
Surrogate: Toluene-d8		98.0 %	87.6	-115	,	11	"	-	
Surrogate: 4-Bromofluorobenzene		93.8 %	80-	112	•	•		~	
Surrogate: Dibromofluoromethane		102 %	78.6	-122	ji ji	~		-	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-I

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW8-021705 T500194-09 (Water)

Analyte	Result	Reporting Limit	<u>Uniıs</u>	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EP	A Method 8260B								
Bromobenzene	ND	1.0	ug/l	]	5021813	02/18/05	02/19/05	EPA 8260B	
Bromochloromethane	ND	1.0		h			•		
Bromodichloromethane	ND	1.0	н			"	m	ч	
Bromoform	ND	1,0		-	-	h	h	п	
Bromomethane	ND	1.0	**	ч	-		"	<del></del>	
n-Butylbenzene	ND	1.0	n	-	n	11	u	"	
sec-Butylbenzene	ND	1.0		-	n	4		п	
tert-Butylbenzene	ND	1.0	н	P		π	π.	n	
Carbon tetrachloride	ND	0.50	и	11	ч	,	-	н	
Chlorobenzene	ND	1.0	P		н	<b>17</b>	,,	41	
Chloroethane	ND	1.0			tr	и	n	R	
Chloroform	ND	1.0	п	"		ч		*1	
Chloromethane	ND	1.0	+	н	n	ų		"	
2-Chlorotoluene	ND	1.0	77	-	n		"	"	
4-Chlorotoluene	ND	1.0	"		h	7	н	u u	
Dibromochloromethane	ND	1.0	n	h	h	'n	н	4	
1,2-Dibronso-3-chloropropane	ND	1.0	н	"	-	n	,	-	
1,2-Dibromoethane (EDB)	מא	1.0	11		-		,	•	
Dibromomethane	ND	1.0	"		17	41	4	π	
1,2-Dichlorobenzene	ИÐ	1.0	н	-	77	и	u	₩	
1,3-Dichlorobenzene	ND	1.0	17	•	h		n	n	
1,4-Dichlorobenzene	ND	1.0		<del></del>	•	#	"	"	
Dichlorodifluoromethane	ND	0.50	"	n	4	7	ŧτ		
1,1-Dichloroethane	ND	1.0	н	h	н	n	'n		
1,2-Dichloroethane	ND	0.50	hi	4	н	11	"		
1,1-Dichloroethene	ND	1.0	и		٩.	4		•	
cis-1,2-Dichloroethene	ND	1.0	п	n	77	"		٦	
trans-1,2-Dichloroethene	ND	1.0	и	7	"	TT TT	и	7	
1,2-Dichloropropane	ND	1.0	0	7	p.		Ħ	7	
1,3-Dichloropropane	ND	1.0	11	7		n	•	a a	
2,2-Dichloropropane	ND	1.0	n	h	N	i.	U	4	
1,1-Dichloropropene	ND	1.0	•	**	tr	h		-	
cis-1,3-Dichloropropene	ND	0.50	•	н	<del>"</del>	u	н	н	
trans-1,3-Dichloropropene	ND	0.50	n	π	n	41	н	ч	
Hexachlorobutadiene	מא	1.0	F7	77	n			,,	
Isopropylbenzene	ND	1.0	n	n		"	•	n	
p-Isopropy)toluene	ND	1.0	n		n	"	п	n	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

02.12

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW8-021705 · T500194-09 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Meihod	Notes
		SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Methylene chloride	ND	1.0	ug/l	ı	5021813	02/18/05	02/19/05	EPA 8260B	
Naphthalene	ND	1.0	"	•		п	-	h	
n-Propylbenzene	ND	1.0			Ħ	H		H	
Styrene	ND	1.0	п	•	h	н	-	•	
1,1,2,2-Tetrachloroethane	ND	1.0	п	,	"	77	"	7	
1,1,1,2-Tetrachloroethane	ND	1.0	π-	n		н	u u	"	
Tetrachloroethene	270	1.0	п			н		н	
1,2,3-Trichlorobenzene	ND	1.0	"	•	n	и	•		
1,2,4-Trichlorobenzene	ND	1.0	μ	-	•	н	**		
1,1,2-Trichloroethane	ND	1.0		-	π.	н	77	**	
1,1,1-Trichlorocthane	ND	1.0	н	4	-	и	h	4r	
Trichloroethenc	21	1.0	17	,	n		n	<del></del>	
Trichlorofluoromethane	ND	1.0	•			**	n	77	
1,2,3-Trichloropropane	ND	1.0	"	-	"	<b>9</b> .	n	"	
1,3,5-Trimethylbenzene	ND	1.0	u	4	ц	п	4	"	
1,2,4-Trimethylbenzene	ND	1.0	и					и	
Vinyl chloride	ND	0.50	u	-	n	н	4	н	
Benzene	ND	0.50	н	-		н	tv.		
Toluene	ND	0.50		4			•	н	
Ethylbenzene	ND	0.50		•	h	tr .	-	н	
m,p-Xylene	ND	1.0	"	•		"	"	<b></b>	
o-Xylene	ND	0.50			n	n	11	n	
Surrogate: Toluene-d8		99.8 %	87.6	S-115	,,	-	P	+	
Surrogate: 4-Bromofluorobenzene		91.0 %	80-	-112	"	"	-	,,	
Surrogate: Dibromofluoromethane		102 %	78.6	5-122	ır	"	-	H	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### MCA3-021705 T500194-10 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborator			-	•		
Volatile Organic Compounds by EJ	A Method 8260B								_
Bromobenzene	ND	1.0	ug/I	1	5021813	02/18/05	02/19/05	EPA 8260B	
Bromochloromethane	ND	1.0	Ιτ	· ·	•		11	49	
Bromodichloromethane	ND	1.0	17	**	-			"	
Bremoform	ND	1.0	-	71			"	"	
Bromomethane	ND	1.0		-		н		"	
n-Butylbenzene	ND	1.0	n	"	n	44	-	h	
sec-Butylbenzene	ND	1.0	u	н	π	ч	-	ч	
tert-Butylbenzene	ND	1.0	**	и	-	н		п	
Carbon tetrachloride	ND	0.50	"		7		•		
Chlorobenzene	ИD	1.0		,,	-		,,	7	
Chloroethane	ND	1.0	п	4	-	,	ų	Ħ	
Chloroform	ND	1.0	н	и	h	n	1,	**	
Chloromethane	ND	1.0	н		-	"		•	
2-Chlorotoluene	ND	1.0		н	"	"	-	**	
4-Chlorotoluene	ND	1.0	н	-	н	м	•	•	
Dibromochloromethane	ND	1.0	"	ц	,,	4		n	
1,2-Dibromo-3-chloropropane	מא	1.0	н	н			4	n	
1,2-Dibromoethane (EDB)	ND	1.0	h	n			-	n	
Dibromomethane	ND	1.0	н	47	n	**		li .	
1,2-Dichlorobenzenc	ND	1.0		17			•		
1,3-Dichlorobenzene	ND	1.0	l <del>v</del>	•	-	-	н	ц	
I,4-Dichlorobenzene	ND	1.0	#	ħ	-	PY	-	11	
Dichlorodifluoromethane	ND	0.50		U		•	7		
1,1-Dichloroethane	ND	1.0	77	+1	"	₩	7	н	
1,2-Dichloroethane	ND	0.50	**	"	"	,		u	
1,1-Dichloroethene	15	1.0	,,	и	"	,	-		
cis-1,2-Dichloroethene	ND	1.0	н		"	"	"	h	
trans-1,2-Dichloroethene	ND	1.0	μ					41	
1,2-Dichloropropane	ND	1.0	μ.			,,		"	
1,3-Dichloropropane	ND	1.0	н					,,	
2,2-Dichloropropane	ND	1.0	н	ц	п	н		ч	
I,I-Dichloropropene	NĐ	1.0	P	н	PT .		•	ч	
cis-1,3-Dichloropropene	ND	0.50	•	14		N	٩		
trans-1,3-Dichloropropene	ND	0.50		•	44	17	-	14	
Hexachlorobutadiene	ND	1.0		•	h	-	,	n	
Isopropylbenzene	ND	1.0	н		h		n		
p-lsopropyltoluene	ND	1.0	77	,,	,,		"	n	
p-150pTopyNotuene	ND	1.0							

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

02:12

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### MCA3-021705 T500194-10 (Water)

Analyte	Result	Reporting Limit	Units_	Dilution	Batch	Prepared	Analyzed	Method	<u>Notes</u>
		SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Methylene chloride	ND	0.1	ug/l	1	5021813	02/18/05	02/19/05	EPA 8260B	
Naphthalene	ND	1.0	н		-	+	n	h	
n-Propylbenzene	ND	1.0		-	-	-	-	-	
Styrene	ND	1.0	17	7	-	-	"	"	
1,1,2,2-Tetrachloroethane	ND	1.0	н	ij	F			n	
1,1,1,2-Tetrachloroethane	ND	1.0	**	я			п	4	
Tetrachloroethene	160	1.0	71	п	п	н	н	п	
1,2,3-Trichlorobenzene	ND	1.0	,,	H		u u	π.	u	
1,2,4-Trichlorobenzene	ND	1.0	н	n		н	٩	7	
1,1,2-Trichloroethane	ND	0.1	н	ч		•		•	
1,1,1-Trichloroethane	ND	1.0	и	•	•	н	n	H	
Trichloroethene	3.9	1.0	н	-		<b>m</b>	h	+	
Trichlorofluoromethane	ND	1.0		n	H	•		-	
1,2,3-Trichloropropane	ND	1.0	•	n	7	•		7	
1,3,5-Trimethylbenzene	ND	1.0	77		<b>7</b>	•	и	n	
1,2,4-Trimethylbenzene	ND	1.0	"				и	10	
Vinyl chloride	ND	0.50	п	-	a				
Benzene	ND	0.50				n		-	
Toluene	ND	0.50	'n			•	-	n	
Ethylbenzene	ND	0.50				•		•	
m,p-Xylene	ND	1.0	и	-		-	h	•	
o-Xylene	ND	0.50	н	-	н		•	п	
Surrogate: Toluene-d8		99.2 %	87.6	i-115	h	Ŋ	r	n	
Surrogale: 4-Bromofluarobenzene		90.2 %	80-	-112		-	ır	-	
Surrogate: Dibromofluoromethane		104 %	78.6	5-122	på	*	<b>"</b>	•	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW1-021705 T500194-11 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	<u>Notes</u>
		SunStar La	aborator	ics, Inc.					
Volatile Organic Compounds by EP	A Method 8260B								
Bromobenzene	ND	1.0	ug/l	1	5021813	02/18/05	02/19/05	EPA 8260B	
Bromochloromethane	ND	1.0	Ir	ıı	н	н	n	ч	
Bromodichloromethane	ND	1.0	u	п	•		н		
Bromoform	ND	1.0	17	п	R	u u		•	
Bromomethane	ND	1.0	II.	п	-	u	••		
n-Butylbenzene	ND	1.0	•	н	n	и	"	и ,	
sec-Butylbenzene	ND	1.0	rì		h	π	n	п	
tert-Butylbenzene	ND	1.0	U		"	by	n	**	
Carbon tetrachloride	ND	0.50	71		"	₩.	n	P	
Chlorobenzene	ND	1.0	71		-	n	п	"	
Chloroethane	ИD	1.0	п	п	n	h	hi	h	
Chloroform	ND	1.0	п	-	п	,		••	
Chloromethane	ND	1.0	н	-		n	ч	"	
2-Chlorotoluene	ND	1.0	н	-		**			
4-Chlorotoluene	ND	1,0	н	77		h	"	lı .	
Dibromochloromethane	ND	1.0	İt	'n	"	"	•	11	
1,2-Dibromo-3-chloropropane	ND	1.0	н	"			•		
1,2-Dibromoethane (EDB)	ND	1.0	π			"	•		
Dibromomethane	ND	1.0	17	и		4	**	R	
1,2-Dichlorobenzene	ND	1.0	U	•	•	·	•		
1,3-Dichlorobenzene	ND	1.0		"	-	II .	₩.	п	
1,4-Dichlorobenzene	ND	1.0	*1		~	u	•	н	
Dichlorodifluoromethane	ND	0.50	71		7	н	n	tr	
1,1-Dichloroethane	ND	1.0	н	н	<b>H</b>	п	'n	π	
1,2-Dichloroethane	ND	0.50	п	н	"	=	**	π	
1,1-Dichloroethene	ND	1.0	п		•			**	
cis-1,2-Dichloroethene	ND	1.0	и	•	н	π	•	**	
trans-1,2-Dichloroethene	ND	1.0	и	17	14	<del></del>	•	и	
1,2-Dichloropropane	ND	1.0	и	**		-	4	,,	
1,3-Dichloropropane	ND	1.0	н			••	•		
2,2-Dichloropropane	ND	1.0	н	h	h	h			
1,1-Dichloropropene	ND	1.0	п	и	н	11	•	h -	
cis-1,3-Dichloropropene	ND	0.50	**	н	п	h	•	Ħ	
trans-1,3-Dichloropropene	ND	0.50	н	"	Ħ	п	h	"	
Hexachlorobutadiene	NĎ	1.0	,,			п	,	-	
Isopropylbenzene	ND	1.0			"	и .	,		
p-Isopropyltoluene	ND	1.0		π	•	н		π.	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

02.12

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW1-021705 T500194-11 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EPA I	Method 8260B								
Methylene chloride	ND	1.0	սք/1	l	5021813	02/18/05	02/19/05	EPA 8260B	
Naphthalene	ND	1.0	"		"	<del>"</del>	"	•	
n-Propylbenzene	ND	1.0	bt	п	"	-	н		
Styrene	ND	1.0	п			"	π	и	
1,1,2,2-Tetrachloroethane	ND	1.0	н	н	+	u	-	n	
1,1,1,2-Tetrachloroethane	ND	1.0	Iτ	и	"	"	π	t <del>r</del>	
Tetrachloroethene	1.4	1.0	-		"		•	•	
1,2,3-Trichlorobenzene	ND	1.0		,	"		"	₩	
1,2,4-Trichlorobenzene	ND	1.0	**	Ħ	ч	tr		<b>n</b>	
I,1,2-Trichloroethane	ND	0.1	"	н		"		"	
I,I,I-Trichloroethane	ND	1.0	,,	<b>m</b>	-	"	4		
Trichloroethene	ND	1.0	h		77	"	н	H	
Trichlorofluoromethane	ND	1.0			h	и	-	u	
1,2,3-Trichloropropane	ND	1.0	н	77	"	•	₩	н	
1,3,5-Trimethylbenzene	ND	1.0	н	"	п	•	•	ч	
1,2,4-Trimethylbenzene	ND	1.0	н	"		"	-	77	
Vinyl chloride	ND	0.50	m	H	u	-	-	u	
Benzene	ND	0.50	ŀτ		и	4	-	77	
T'oluene	1.8	0.50	77	н		7	п	н	
Ethylbenzene	ND	0.50	Ħ	-			u		
m,p-Xylene	ND	1.0	"	-	"			п	
o-Xylene	ND	0.50	"	<del></del>	"	R	#	H	
Surragate: Toluene-d8	. <del>-</del>	99.2 %	87.6	i-115	-	н	p	μ	
Surrogate: 4-Bromofluorobenzenc		90.5 %	80-	-112	•	p		u u	
Surrogate: Dibromofluoromethane		102 %	78.6	i-122	Ħ	FF	п	н	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### MW2-021705 T500194-12 (Water)

Analyte	Result	Reporting Limit	Units .	Dj}utj <b>o</b> n_	Batch	Prepared	Analyzed_	Method	Notes
		SunStar La				-			
Volatile Organic Compounds by EPA	Method 8260B			ŕ					
Bromobenzene	ND	1.0	ug/l	l	5021813	02/18/05	02/19/05	EPA 8260B	'
Bromochloromethane	ND	1.0	-	n	h	*	-	•	
Bromodichloromethane	ND	1.0		н	•	•	n	h	
Bromeform	ND	1.0	4		•	<b>#</b>	ч	19	
Bromomethane	ND	1.0		"	4	,	н	11	
n-Butylbenzene	ND	1.0	"		•	,,	-		
sec-Butylbenzene	ND	1.0	.,	n	-	7	•		
tert-Butylbenzene	ND	1.0		H	•		h	•	
Carbon tetrachloride	ND	0.50	79	n	•		"	•	
Chlorobenzene	ND	1.0	**	•		<b>"</b>		n	
Chloroethane	ND	1.0	"	-	•	Ħ		n	
Chloreform	ND	1.0	и	"	•	h	н	•	
Chloromethane	ND	1.0	и	"	-		"		
2-Chlorotoluene	ND	1.0			•	п	-	"	
4-Chlorotoluene	ND	1.0	ю	-	"	n	и	**	
Dibromochloromethane	ND	1.0	0	-	-	п	•	•	
1,2-Dibromo-3-chloropropane	ND	1.0	**	π	н	•	"	7	
1,2-Dibromoethane (EDB)	ND	1.0	9	•		٩	•		
Dibromomethane	ND	1.0	"	•		-		"	
1,2-Dichlorobenzene	ND	1.0	и		-	•	n	п	
1,3-Dichlorobenzene	ND	1.0				"	4		
1,4-Dichlorobenzene	ND	1.0		"	<b>#</b>	H	H		
Dichlorodifluoromethane	ND	0.50	17	н	**	•	7		
1,1-Dichloroethane	ND	1.0	11	π		п	**	-	
1,2-Dichloroethane	ND	0.50	и	h	4	(+	-	••	
1,1-Dichloroethene	מא	1.0		н	ш		"		
cis-1,2-Dichloroethene	ND	1.0			**	•		"	
trans-1,2-Dichloroethene	ND	1.0	47	h	77	*			
1,2-Dichloropropane	ND	1.0	n	u	n	n	и		
1,3-Dichloropropane	ND	1.0	71	u	"		٩	7	
2,2-Dichloropropane	ND	1.0	п	•		п	17	•	
1,1-Dichloropropene	ND	1.0	h	H		n	H	ч	
cis-1,3-Dichloropropene	ND	0.50				π	и	•	
trans-1,3-Dichloropropene	ND	0.50	17	Ja	π	₩		7	
Hexachlorobutadiene	ND	1.0	π		<b>"</b>	-		h	
Isopropyibenzene	ND	1.0	•		n	-	"	ly .	
p-Isopropylioluene	ND	1.0	,,	"	"		-	•	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2.2

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### MW2-021705 T500194-12 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Methylene chloride	ND	1.0	ug/l	1	5021813	02/18/05	02/19/05	EPA 8260B	
Naphthalene	ND	1.0	11			п	u	н	
n-Propylbenzene	ND	1.0	"		-	R	п	-	
Styrene	ND	1.0	**	n	-	₩	स	•	
1,1,2,2-Tetrachloroethane	ND	1.0	**	-	-		π	n	
1,1,1,2-Tetrachlorcethane	ND	1.0	e)	**	N	n	'n	h	
Tetrachloroethene	2.9	1.0	"	п	π		п	u u	
1,2,3-Trichlorobenzene	ND	1.0		"	-	п	"	II .	
1,2,4-Trichlorobenzene	ND	1.0	μ	"	-		"	и	
1,1,2-Trichloroethane	ИD	1,0	н	и	-		h	и	
1,1,1-Trichloroethane	ND	1.0	И			ц	11	Ħ	
Trichloroethene	3.8	1.0	н	4	r	Ħ	ч	•	
Trichlorofluoromethane	ND	1.0	н	-	•			н	
1,2,3-Trichloropropane	ND	1,0	И	-			и	n	
1,3,5-Trimethylbenzene	ND	1.0	И	H	in	H	ц	*	
1,2,4-Trimethylbenzene	ND	1.0	н	ч	"	lr .	н	7	
Vinyl chloride	ND	0.50	н	-	"	-	4	п	
Benzene	ND	0.50		•	"	π-			
Toluene	ND	0.50	n	ħ	ч	"	+	"	
Ethylbenzene	ND	0.50		π		h	h	п	
m,p-Xylene	ND	1.0	π	-	"	h	-	7	
o-Xylene	ND	0.50	71	P	ч	-	n	h	
Surrogate: Toluene-d8		99.5 %	87.6	-115	,	-	10	ų	-
Surrogate: 4-Bromofluorobenzene		92.8 %	80-	112	•	,,	-		
Surrogate: Dibromafluoromethane		102 %	78.6	5- <i>122</i>		p	H	μ	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-I Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### MW3-021705 T500194-13 (Water)

Analyte	Result	Reporting Limit	Units	Dilutjon	Batch	Prepared	Analyzed.	Method	Notes
		SunStar L	aborator	ies, Inc.	-				
Volatile Organic Compounds by EPA	Method 8260B								
Bromobenzene	ND	1.0	ug/l	3	5021813	02/18/05	02/19/05	EPA B260B	
Bromochloromethane	ND	1.0	и	77	•		n	77	
Bromodichloromethane	ND	1.0	н	H	-	-	***	-	
Bromoform	ND	1.0	п	7		h	17	h	
Bromomethane	מא	1.0	**	•			h	n	
n-Butylbenzene	ND	1.0	71	"			"	u	
sec-Butylbenzene	מא	1.0	h .	"	u		"		
tert-Butylbenzene	ND	1.0	P	4	-		h	Ħ	
Carbon tetrachloride	ND	0.50	Iτ	4	н	₩.	н	п	
Chlorobenzene	ND	1.0	"		-	H	ч		
Chlorocthane	ND	1.0	m	-	Ħ	п	и	"	
Chloroform	ND	1.0	н	,	H	*	P	<b>"</b>	
Chloromethane	ND	1.0	ri	"	n	•		и	
2-Chlorotoluene	ND	1.0	n	"	"	7		h.	
4-Chlorotoluene	ND	1.0	"	"		•	п	·	
Dibromochloromethane	סא	1.0	n		h	h	."		
1,2-Dibromo-3-chloropropane	DИ	1.0	п	"	ч	-		**	
1,2-Dibromoethane (EDB)	ND	1.0	н	"		•		4	
Dibromomethane	ND	1.0	17	7		-	ч		
1,2-Dichlorobenzene	ND	1.0		**	н		и	<del></del>	
1,3-Dichlorobenzene	ND	1.0	17	π.		m	ц	7	
I,4-Dichlorobenzene	ND	1.0	n	7	***	h	77	"	
Dichlorodifluoromethane	ND	0.50	7.5	'n	n	"	7	n	
1,1-Dichloroethane	ND	1.0	h	h	h		7		
1,2-Dichtoroethane	ND	0.50	Д	,,	n	ħ	,	,,	
1,1.Dichloroethene	ND	1.0	п			•	-	•	
cis-1,2-Dichloroethene	ND	1.0	17	н	Pr .	•			
trans-1,2-Dichloroethene	ND	1.0	-	н	н	h	-	P.	
1,2-Dichloropropane	ND	1,0	U	4	π	Ħ	•		
1,3-Dichloropropane	ND	1.0	п	-		le .			
2,2-Dichloropropane	ND	1.0	11	h	•	п	Ħ	n	
I,1-Dichloropropene	ND	1.0	н	n	π-		•	n	
cis-1,3-Dichloropropene	ND	0.50	и	•	h	н	7		
trans-1,3-Dichloropropene	ND	0.50	и	•	н	н			
Hexachlorobutadiene	ND	1.0		н	п	-	-	н	
Isopropylbenzene	ND	1.0	o	н			-	и	
p-Isopropyltoluene	ND	1.0	o				-	ų	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

0.12

Project: Bodycote Technibraze-I

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### MW3-021705 T500194-13 (Water)

Analyte	Result	Reporting <u>Limit</u>	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Methylene chloride	ND	1.0	ug/l	l	5021813	02/18/05	02/19/05	EPA 8260B	
Naphthalene	ND	1.0	••		-	n		77	
n-Propylbenzene	ND	1.0	**	п	<b>7</b>	44	п	77	
Styrene	ND	1.0	71	π	n	**	и	n	
1,1,2,2-Tetrachloroethane	ND	1.0	н	"	,	₹7	п	h	
1,1,1,2-Tetrachloroethane	ND	1.0	n	н	n	'n	п	"	
Tetrachloroethene	44	1.0				п	R	n	
1,2,3-Trichlorobenzene	ND	1.0	н	~	-	h	п	h	
1,2,4-Trichlorobenzene	ND	1.0	п			-	-	n	
1,1,2-Trichloroethane	ND	1.0	н	#	h	n n	-	μ	
1,1,1-Trichloroethane	ND	1.0	,,	-		7	n	n .	
Trichloroethene	5.2	1.0	п	-	-		7	ч	
Trichlorofluoromethane	ND	1.0	н				17		
1,2,3-Trichloropropane	ND	1.0	H		4	11	n	n	
1,3,5-Trimethylbenzene	ND	1.0	н	-		ц	"	п	
1,2,4-Trimethylbenzene	ND	1.0	н	-			"	i <del>r</del>	
Vinyl chloride	ND	0.50	17	7			н		
Benzene	ND	0.50	lτ	+	ч	"	10	<del>11</del>	
Toluenc	ND	0.50	17	7	-	11	ч	n	
Ethylbenzene	ND	0.50	Ħ	"	н	н	d	77	
m,p-Xylene	ND	1.0	**	-	4	4	ч	-	
o-Xylene	מא	0.50		и	R	п	ч		
Surrogate: Toluene-d8		100 %	87.6	-115		-	-		
Surrogate: 4-Bromofluorobenzene		90,8 %	80-	112	-	rr ·		-	
Surrogate: Dibromofluoromethane		102 %	78.6	-122	ır	-		-	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jenniser Rothman

Reported: 02/22/05 08:07

#### MW7-021705 T500194-14 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	boretor	ies, Inc.					
Volatile Organic Compounds by EPA Meth	od 8260B			•					
Bromobenzene	ND	1.0	ug/I	7	5021813	02/18/05	02/19/05	EPA 8260B	
Bromochloromethane	ND	1.0	n	и	•		n	77	
Bromodichloromethane	ND	1.0	н			n	"	<del>11</del>	
Bromoform	ND	1.0	71				h	+	
Bromomethane	ND	1.0	,,	"	•		ч	н	
n-Butylbenzene	ND	1.0	"	-	*	п	μ	"	
sec-Butylbenzene	ND	1,0	и	₩	•	-			
tert-Butylbenzene	ND	1.0	д	-	-	47	lı	n	
Carbon tetrachloride	ND	0.50	Ir	r.		•	п	"	
Chlorobenzene	NĐ	1.0	н	"			h	Ħ	
Chloroethane	ND	1.0	п	h	•	9	77		
Chloroform	ND	1.0	n		b	-	H		
Chloromethanc	ND	1.0	D	14			-	.,	
2-Chlorotoluene	ND	1.0	**				+	7	
4-Chlorotoluene	מא	1.0	**			н		7	
Dibromochloromethane	ND	1.0	rt	n	п	11	7	-	
-1,2-Dibromo-3-chloropropane	ND	1.0	"	н		9	n	,,	
1,2-Dibromoethane (ED8)	ND	1.0	"	"	-	₩.	h		
Dibromomethane	ND	1.0	"	₩	-	₩.	"	"	
1,2-Dichlorobenzene	ND	1.0	,,			-	h	4	
1,3-Dichlorobenzene	ND	1.0	н		•	h	n		
1,4-Dichlorobenzene	ND	1.0	н	'n	n	n			
Dichlorodifluoromethane	ND	0.50	н	"	п	п			
1,1-Dichloroethane	ND	1.0	н	'n	h	n		11	
1,2-Dichloroethane	ND	0.50	ħ	н	N	•	ч	<del></del>	
1,1-Dichloroethene	ND	0.1	н		•	•	•		
cis-1,2-Dichloroethene	ND	1.0	п	п	п	н	-	77	
trans-1,2-Dichloroethene	МĐ	1.0	71	n	***			7	
1,2-Dichloropropane	ND	1.0	и	łī	٩	-	-	"	
1,3-Dichloropropane	ND	1.0	и	-	P-		<b>#</b>		
2,2-Dichloropropane	ND	1.0	и	h	<b>n</b>	<b>#</b>	•		
1,1-Dichloropropene	ND	1.0	н	"	h	n	"	ц	
cis-1,3-Dichloropropene	ND	0.50	н	h	н	-		п	
trans-1,3-Dichloropropene	ND	0.50	l <del>+</del>	h	и			п	
Hexachlorobutadiene	ND	1.0		-			li .	77	
Isopropylbenzene	ND	1.0		-			ħ	-	
p-Isopropyltoluene	ND	1.0					-	"	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

12:16

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW7-021705 T500194-14 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	2boratoi	ries, Inc.					
Volatile Organic Compounds by EPA									
Methylene chloride	ND	1.0	ug/l	l	5021813	02/18/05	02/19/05	EPA 8260B	
Naphthalene	מא	1.0	"		н	₩.	п	π.	
n-Propylbenzene	ND	1.0			-		п	-	
Styrene	ND	1.0		"	-		-	"	
1,1,2,2-Tetrachloroethane	ND	1.0	.,	•	<b>*</b>	"	"	n	
1,1,1,2-Tetrachloroethane	ND	1.0	h	•	Ħ	77	Ħ	n	
Tetrachloroethene	130	1.0	"	н	•	"		"	
1,2,3-Trichlorobenzene	ND	1.0		н	•	"	"	n	
1,2,4-Trichlorobenzene	ND	1.0	н	п	-	п	"	n	
1,1,2-Trichloroethane	ND	1.0	17	•	"	"	h	n	
l,l,l-Trichloroethane	ND	1.0	"	-	p	"	H	ly.	
Trichloroethene	6.5	1.0	17	-	'n	h	<b>)</b> •	,,	
Trichlorofluoromethane	ND	1.0	**	•	•			14	
1,2,3-Trichloropropane	ND	1.0		•	н		12	п	
1,3,5-Trimethylbenzene	ND	1.0		n	h		п	4	
1,2,4-Trimethylbenzene	ND	1.0	"	7	"	11	lı .	п	
Vinyl chloride	ND	0.50	н	-			u	н	
Benzene	ND	0.50	n			"	R	n	
Toluene	13	0.50	17	h	h	u	-	n	
Ethylbenzene	ND	0.50		-					
m,p-Xylene	ND	1.0	Iτ	h	"		"	**	
o-Xylene	ND	0.50	**	•	н	н	н	•	
Surrogate: Toluene-d8		99.8 %	87.6	i- <i>115</i>	'n	11	"	'n	
Surrogate: 4-Bromofluorobenzene		90.2 %	80-	-112	"	ır	-	-	
Surrogate: Dibromofluoromethane		103 %	78.6	5-122	ĮI.	þ <del>.</del>	n	,,	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### MW6-021705 T500194-15 (Water)

Analyte	Result	Reporting <u>Limit</u>	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborator	ies, Inc.					
Volatile Organic Compounds by EP.	A Method 8260B								
Bromobenzene	ND	1.0	ug/l	1	5021813	02/18/05	02/19/05	EPA 8260B	
Bromochloromethane	ND	1.0	н	н	4			•	
Bromodichloromethane	ND	1.0		•		•	•	•	
Bromoform	ND	1.0	17	,	-	π-	-	h	
Bromomethane	ND	1.0					**	<b>n</b>	
n-Butylbenzene	ND	1.0	-	"	•	,,	Ħ	n	
sec-Butylbenzene	ND	1.0	*1	и	-				
tert-Butylbenzene	ND	1.0	71	и	-		"	"	
Carbon tetrachloride	ND	0.50	н	н		н	"	ıı .	
Chlorobenzene	ND	1.0	ч	•		"	in	44	
Chloroethane	ND	1.0	17	77	-	11			
Chloroform	ND	1.0	17	79	n	н	ч	ч	
Chloromethane	ND	1.0	11	P	•	•	R	n	
2-Chlorotoluene	ND	1.0	**	"	-	п	n	-	
4-Chloroto!uenc	ND	1.0	*1	h	-	h	শ	**	
Dibromochloromethane	ND	1.0	<b>91</b>	н	11	"	n	n	
1,2-Dibromo-3-chloropropane	ND	1.0	**	и			n	<b>"</b>	
1,2-Dibromoethane (EDB)	ND	1.0	н		-		h		
Dibromomethane	ND	1.0	н	π	h	4	ŋ	h	
1,2-Dichlorobenzene	ND	1.0	17		77	п	н	п	
1,3-Dichlorobenzene	ND	1.0	н	77	rt	и	н	4	
1,4-Dichlorobenzene	ND	1.0	U	11	-	4			
Dichlorodifluoromethane	ND	0.50		п	я	и	u		
1,1-Dichloroethane	ND	1.0	п		ir.	9	н	-	
1,2-Dichloroethane	ND	0.50	ч		-	ŧ	•	Ħ	
1,1-Dichloroethene	ND	1.0			-	-	•	7	
cis-1,2-Dichloroethene	ND	0.1	h	ц		4	~	n	
trans-1,2-Dichloroethene	ND	1.0	17	ц		"	<b>n</b>	r	
1,2-Dichloropropane	ND	1.0	U		-		77	n	
1,3-Dichloropropane	ND	1.0	-	•	•		"	п	
2,2-Dichloropropane	מא	1.0	n	t+	п	п		"	
I,I-Dichloropropene	ND	1.0	11	4	n		"	11	
cis-1,3-Dichloropropene	ND	0.50	71	11	P	u	и		
trans-1,3-Dichloropropene	ND	0.50	н	-	"			4	
Hexachlorobutadiene	ND	1.0	п	11	n	n	ч	π	
Isopropylbenzene	ND	1.0	п	h	11	₩ .	n	π	
p-Isopropyltoluene	ND	1.0	н		h	-	n	•	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

62-16-

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW6-021705 T500194-15 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Baich	Prepared	Analyzed	Method	Notes
		SunStar La	iborato	ries, Inc.					
Volatile Organic Compounds by EPA	Method 8260B	_							
Methylene chloride	ND	1.0	ug/I	l l	5021813	02/18/05	02/19/05	EPA 8260B	
Naphthalene	ND	1.0	17	"	"	•	•	u .	
n-Propylbenzene	ND	1.0	h	#		77	•	•	
Styrene	ND	1.0	п	77		77	h		
1,1,2,2-Tetrachloroethane	ИD	1.0	н	#		"	•	-	
1,1,1,2-Tetrachloroethane	ND	1.0	"	-	-	и	H	π	
Tetrachloroethene	320	1.0		,	17		•	•	
1,2,3-Trichlorobenzene	ND	1.0	н	"	77		-	"	
1,2,4-Trichlorobenzene	ND	1.0	ıt	ħ			-	-	
1,1,2-Trichloroethane	ND	1.0	lτ	н	"	n	-		
I,I,I-Trichloroethane	ND	1.0	17	u	b	77	•		
Trichloroethene	19	1.0	**	"	r	H	•		
Trichlorofluoromethane	ND	1.0	**	п	ч	"	•	٩	
4:2,3-Trichloropropane	ND	1.0	н	7		n	•	•	
3,3,5-Trimethylbenzene	ND	1.0	,,	•	•	h	4	*	
1,2,4-Trimethylbenzene	ND	1.0	м	π.	<del></del>	и	•	9	
Vinyl chloride	ND	0.50	**	н	4	п	-	7	
Benzene	ИD	0.50		-		•	-		
Toluene	16	0.50			п	π	,	11	
Ethylbenzene	ND	0.50	17			-	7	н	
m,p-Xylene	ND	1.0	77			"	-	₩	
o-Xylene	ND	0.50	7	7		n	-	h	
Surrogaic: Toluene-d8	<u> </u>	98.5 %	87.1	5-115	pl	F	P		
Surrogate: 4-Bromofluorobenzene		92.0 %	80	-112	•	•	•	-	
Surrogate: Dibromofluoromethane		102 %	78.0	6-122	-	•	p	-	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### DUP-021705 T500194-16 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar La	aborator	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B			-					
Bromobenzene	ND	1.0	ug/l	1	5021813	02/18/05	02/19/05	EPA 8260B	
Bromochloromethane	ND	1.0	P	4	-	-	n	п	
Bromodichloromethane	ND	1.0		•	-	n	h	₩	
Bromoform	ND	1.0	**		₩		п	-	
Bromomethane	ND	1.0	"	7	<b>#</b>	4	н		
n-Butylbenzene	ND	1.0	н	н	h	-	-	n	
sec-Butylbenzene	ND	1.0	и		-			п	
tert-Butylbenzene	ND	1.0	μ	п	-	н	Ħ	li .	
Carbon tetrachloride	ND	0.50	4	н	н	₩	<b>H</b>		
Chlorobenzene	ND	1.0	17		Ħ				
Chloroethane	ND	1.0		н	-	-	4	•	
Chloroform	ND	1.0			н			-	
Chloromethane	ND	1.0	77	-		п	•	-	
2-Chlorotoluene	ND	1.0	•	n		14	"	+	
*4-Chlorotoluene	ND	1.0	н	n	-		"	,,	
Dibromochloromethane	ND	1.0	7	ĮI.	-	-	•		
1,2-Dibromo-3-chloropropane	ND	1.0	,,			4	n	н	
1,2-Dibromoethane (EDB)	ND	1.0		п	h		+	п	
Dibromomethane	ND	1.0	и			,	,		
1,2-Dichlorobenzene	ND	1.0	IT	"	7	,	7	н	
1,3-Dichlorobenzene	ND	1.0	17	•		п	-	•	
I,4-Dichlorobenzene	ND	1.0	h	•		"		₩	
Dichlorodifluoromethane	ND	0.50	77				п	Ħ	
1,1-Dichloroethane	ND	1.0	n	,			-	п	
l,2-Dichlorocthane	ND	0.50	μ	•		-	-		
1,1-Dichloroethene	15	1.0	н	"		н	7	h	
cis-1,2-Dichloroethene	ND	1.0				-	•		
trans-1,2-Dichloroethene	ND	1.0	н				h		
1,2-Dichloropropane	ND	1.0	•			77	11	n	
1,3-Dichloropropane	ND	1.0			п	h	n	₩	
2,2-Dichloropropane	ND	1.0	n	-				77	
l,l-Dichloropropene	ND	1.0	"	-	н			"	
cis-1,3-Dichloropropene	ND	0.50			•			п	
trans-1,3-Dichloropropene	ND	0.50	н		•	n	-	п	
Hexachlorobutadiene	ND	1.0	и		-	и		ч	
Isopropylbenzene	ND	1.0	п			••	P	11	
p-lsopropyltoluene	ND	1.0	r			_			

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2-12-

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### DUP-021705 T500194-16 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
		SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EPA M	ethod 8260B								
Methylene chloride	ND	1.0	ug/l	]	5021813	02/18/05	02/19/05	EPA 8260B	
Naphthalene	ND	1.0	71	-	11		н	•	
n-Propylbenzene	ND	1.0	71	•	н	н	n		
Styrene	ND	1.0	n	"	•		44	<b>n</b>	
1, 1, 2, 2-Tetrachloroethane	ND	1.0	н		-	₩	•	•	
1,1,1,2-Tetrachloroethane	ND	1.0	n	H	"		ц	'n	
Tetrachloroethene	1300	5.0	71	5	n				
1,2,3-Trichlorobenzene	ND	1.0	*1	1	"	Ħ	•	<b>7</b>	
1,2,4-Trichlorobenzene	ND	1.0	**	н	n	rt	**	•	
1,1,2-Trichloroethane	ND	1.0				-	**	•	
1,1,1-Trichlorocthane	4.0	1.0	71	u	n	7	и	h	
Trichloroethene	11	1.0	h	ч		u	n	h	
Trichlorofluoromethane	ND	1.0	"	-	+	п	٦	7	
1.2,3-Trichloropropane	ND	1.0	н	"	"	н	ч	"	
1,3,5-Trimethylbenzene	ND	1.0	•	4	-	"	и	n	
1,2,4-Trimethylbenzene	ND	1.0	77		-		н	h	
Vinyl chloride	ND	0.50	n	и	P	н	ч	7	
Benzene	ND	0.50	н	п		7	4	"	
Toluene	ND	0.50	Ð	-				h	
Ethylbenzene	ND	0.50	77	п			ч		
m,p-Xylene	ND	1.0	m		4*	п			
o-Xylenc	ND ND	0.50	17	-	•	h	n	n	
Surrogate: Toluene-d8		101 %	87.6	-115	-	"	-		
Surrogate: 4-Bromofluorobenzene		91.8%	80	112		,,	n	-	
Surrogate: Dibromofluoromethane		103 %	78.6	-122	μ	H			

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### EB-021705 T500194-17 (Water)

Analyte	Result	Reporting Limit	Unjis	Dilution	Batch	Prepared	Analyzed	Method	Notes
•		SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Bromobenzene	ND	1.0	ug/l	1	5021813	02/18/05	02/19/05	EPA 8260B	
Bromochloromethane	ND	1.0	17		-		-	•	
Bromodichloromethane	ND	1.0	u.	п				-	
Bromoform	ND	1.0	-	H	h	п	"	ч	
Bromomethane	ND	1.0		11	,	н		-	
n-Butylbenzene	ИD	1.0	.,	н	h	п	и	π.	
sec-Butylbenzene	ND	1.0	D	•	-	.,	11	<b>4</b>	
tert-Butylbenzene	ND	1.0	10	•	-	н	u u	4	
Carbon tetrachloride	ND	0.50	17	п	п	н	п	<del></del>	
Chlorobenzene	ND	1.0	.,	н		"	п	ч	
Chloroethane	ND	1.0	.,	n	н	н	ч	-	
Chloroform	ND	1.0	"	-	9	n	h	•	
Chloromethane	ND	1.0	D	u	-	•	п	•	
2-Chlorotoluene	ND	1.0	tr.	u	,,	и.	h	-	
4-Chlorotoluene	ND	1.0	.,	n	н	44	h	-	
Dibromochloromethane	ND	1.0	U	"	н	н	"	-	
1,2-Dibromo-3-chloropropane	ND	1.0	17	•	-	•	п	-	
1.2-Dibromocthane (EDB)	ND	1.0	17	н	n		п	-	
Dibromomethane	מא	1.0	.,	н	li .		н		
1,2-Dichlorobenzene	ND	1.0	17	•	•	•	•	н	
1,3-Dichlorobenzene	ND	1.0	17		7	•	h		
1,4-Dichlorobenzene	ND	1.0	D	"	н	н	н	•	
Dichlorodifluoromethane	ND	0.50	17	h	н	н	"	-	
1,1-Dichloroethane	ND	1.0	17				71	- <b>ग</b>	
1,2-Dichloroethane	ND	0.50	U	•		-	h	•	
1,1-Dichloroethene	ND	1.0	u.	н	п	-	4	п	
cis-1,2-Dichloroethene	ND	1.0	U			-	н	•	
trans-1,2-Dichloroethene	ND	1.0	н			я	71	•	
1,2-Dichloropropane	ND	1.0	н	π		**	ri	-	
1,3-Dichloropropane	ND	1.0	п	H		n	"	-	
2,2-Dichloropropane	ND	1.0	**		п.	-	н		
1,1-Dichloropropene	ND	1.0	п			n	71	-	
cis-1,3-Dichloropropene	ND	0.50	*1	-		n	н	-	
trans-1,3-Dichloropropene	ND	0.50	*1		-	n	h	<del></del>	
Hexachlorobutadiene	ND	0.1	**		-	п	,,	n	
Isopropylbenzene	ND	0.1	"	-	17	п	,,	~	
p-Isopropylioluene	ND	1.0	"		h	п	н	7	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2.12

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

#### EB-021705 T500194-17 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Melhod	Notes
Valatila Organia Compoundo hy FDA Ma	thad Oacab	SunStar L	aporator	ies, Inc.					
Volatile Organic Compounds by EPA Me									
Methylene chloride	ND	1.0	ug/l	1	5021813	02/18/05	02/19/05	EPA 8260B	
Naphihalene	ND	1.0	ŧτ	"		•	н		
n-Propylbenzene	ND	1.0	n	77	и	4		•	
Styrene	ND	1.0	17	n	4	•	н	7	
1,1,2,2-Tetrachloroethane	ND	1.0	n	7		п	•	н	
1,1,1,2-Tetrachloroethane	ND	0.1		-	u	п	н	-	
Tetrachloroethene	1.4	1.0	н	77		п			
1,2,3-Trichlorobenzene	ND	1.0	11	h	•	п	н		
1,2,4-Trichlorobenzene	ND	1.0	ч	77		п		н	
1,1,2-Trichloroethane	ND	1.0	ų	-	n		lq.	-	
1,1,1-Trichloroethane	ND	1.0	и	-	-		ц	-	
Trichloroethene	ND	1.0	н			п	п	<b>n</b>	
Trichlorofluoromethane	ИD	1.0	4	-		н	п	-	
1,2,3-Trichloropropane	ND	1.0		ч	"	4	-	4	
1,3,5-Trimethylbenzene	ND	1.0		-			и	**	
1,2,4-Trimethylbenzene	ND	1.0	н	-		•	r	•	
Vinyl chloride	ND	0.50	•	71	,,	ц			
Benzene	ND	0.50		н	п	11	F		
Toluene	ND	0.50	h		•	n	n		
Ethylbenzene	ND	0.50	77				n		
m,p-Xylene	ND	1.0	h		-		н		
o-Xylene	ND	0.50	"	=	7	ıı .	-		
Surrogate: Toluene-d8		100 %	87.6	-115	,,	ħ	p	-	
Surrogate: 4-Bromofluorobenzene		93.0 %	80-	112	èr	p	"	*	
Surrogate: Dibromofluoromethane		103 %	78.6	-122	"	H	,,	•	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1 Project Number: 002-1027200-004

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW5-021705 T500194-18 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Meihod	Notes
		SunStar L	aborator	ies, Inc.					
Volatile Organic Compounds by EP.	A Method 8260B								
Bromobenzene	ND	1.0	ug/l	1	5021813	02/18/05	02/19/05	EPA 8260B	
Bromochloromethane	ND	1.0	17	п	-	P	н	Ħ	
Bromodichloromethane	ND	1.0	17	h		-	п		
Bromoform	ND	0.1	17		H		rt		
Bromomethane	ND	1.0	н	₩	h		lı	<b>n</b>	
n-Butylbenzene	ND	1.0	þi	•	n	D.	H	<b>.</b>	
sec-Butylbenzene	ND	0.1	н	7	<b>n</b>	"	н	N	
tert-Butylbenzene	ND	1.0	fl	н	R		н	•	
Carbon tetrachloride	ND	0.50	71	77				•	
Chlorobenzene	ND	1.0	**	ન	•	-	ч	•	
Chlorochane	ND	1.0	*1	π.	4	<b>F</b>	н	-	
Chloroform	ND	1.0	U	-		•			
Chloromethane	ND	1.0		п	u	. *		•	
2-Chlorotoluene	ND	1.0	ь	н		<b>m</b>	h	-	
4-Chlorotolucne	ND	1.0	19	-	п		u	-	
Dibromochloromethane	ND	1.0	19		"	п	n	•	
1,2-Dibromo-3-chloropropane	ND	1.0	17		п	-	•	•	
1.2-Dibromoethane (EDB)	ND	1.0	н	u	H	•	)I	-	
Dibromomethane	ND	1.0	н	-	•		u		
1,2-Dichlorobenzene	ND	1.0	п	-	h		н	-	
1,3-Dichlorobenzene	ND	1.0	и	-	н	-	**	<b>n</b>	
1,4-Dichlorobenzene	ND	1.0	n	п п	-	-	"	•	
Dichlorodifluoromethane	ND	0.50	ji	,,	•		**	•	
1,1-Dichloroethane	ND	1.0	*1	-	7			•	
1,2-Dichloroethane	ND	0.50	•		7	=		<b>"</b>	
1,1-Dichloroethene	17	1.0	71	h	,	п		n	
cis-1,2-Dichloroethene	ND	1.0	**		-	п	-	-	
trans-1,2-Dichloroethene	DN	1.0	п		-	и	-	<b>H</b>	
1,2-Dichloropropane	ИD	0.1	п	h	4	"	n		
1,3-Dichloropropane	ND	1.0	r	17	7	"	n	•	
2,2-Dichloropropane	ND	0.1	r	77	п				
1,1-Dichloropropene	ND	1.0	н		•	п		<b>F</b>	
cis-1,3-Dichloropropene	ND	0.50	P	<del></del>	п	h	n	н	
trans-1,3-Dichloropropene	ND	0.50	U		П	h		П	
Hexachlorobutadiene	ND	1.0	17		п	"	ц		
Isopropylbenzene	ND	1.0	IT	٩	u	"	ц		
p-Isopropyltoluene	ND	1.0	и	٩	н	"		•	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

2.2

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### MW5-021705 T500194-18 (Water)

Analyte	Result	Reporting Limit	Units	Dilution	Baich _	Prepared	Analyzed	Method	Notes
		SunStar La	iboratoi	ies, Inc.					
Volatile Organic Compounds by EPA	Method 8260B								
Methylene chloride	ND	1.0	ug/l	1	5021813	02/18/05	02/19/05	EPA 8260B	
Naphthalene	ND	1.0	п	,,		н		-	
n-Propylbenzene	ND	1.0	11	"	h	٦	-	n	
Styrene	ND	1.0	17		"		<b></b>	h	
1, 1,2,2-Tetrachloroethane	ND	1.0	н	n	ч		h	n	
1,1,1,2-Tetrachlorocthane	ND	1.0	**	Ħ			10	и	
Tetrachloroethene	1200	5.0	n	5		**		н	
1,2,3-Trichlorobenzene	ND	1.0	и	1	n	'n	H	**	
1,2,4-Trichlorobenzene	ND	1,0	п	-	<b>*</b>	п		"	
1,1,2-Trichloroethane	ND	1.0		-		п	п	**	
1,1,1-Trichloroethane	5.1	1.0	r		"	17	н	4	
Trichloroethene	17	1.0	н	-	н	•		17	
Trichlorofluoromethane	ND	1.0	"		**	h	4	••	
1,2,3-Trichloropropane	ND	1.0	,,	,	Ħ	٠.	н	**	
1,3,5-Trimethylbenzene	ND	6.1	in .	п	-		-	H	
1,2,4-Trimethylbenzene	ND	1.0	и				77	н	
Vinyl chloride	טא	0.50	п		h	п	n	11	
Benzene	ИD	0.50	**	•	ч	₩.	n	17	
Toluene	11	0.50	Ť1	-		-	"	0	
Ethylbenzene	ND	0.50	n	<b>"</b>	п	-	н	**	
m,p-Xylene	ND	1.0	h	"		-	स	4	
o-Xylene	ND	0.50	II				н	ıı	
Surrogate: Toluene-d8		100 %	87.0	5-115	*	"	11	n	
Surrogate: 4-Bromofluorobenzene		90,2 %	80	-112	,,	11	н		
Surrogate: Dibromosluoromethane		104 %	78.0	5- <i>122</i>	"	IF.	-	~	

SunStar Laboratories, Inc.

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

## Volatile Organic Compounds by EPA Method 8260B - Quality Control SunStar Laboratories, Inc.

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

#### Batch 5021813 - EPA 5030 GCMS

Blank (5021813-BLKI)				Prepared & Analyzed: 02/18/05
Bromobenzene	ND	1.0	ug/l	
Bromochloromethane	ND	0.1	-	
Bromedichloromethane	ND	1.0	•	
Bromoform	ND	1.0		
Bromomethane	ND	1.0		
n-Butylbenzene	ND	1.0	н	
sec-Butylbenzene	ND	1.0	н	
tert-Butylbenzene	ND	1.0	-	
Carbon tetrachloride	ND	0.50	-	
Chlorobenzene	ND	1.0		
Chloroethane	ND	1.0	н	
Chlorofarm	ИD	1.0	-	
Chloromethane	ND	1.0		
2-Chlorotoluene	ND	1.0	-	
4-Chlorotoluene	ND	1.0		
Dibromochloromethane	ND	1,0		
1,2-Dibromo-3-chloropropane	ND	1.0		
1,2-Dibromoethane (EDB)	ND	1.0		
Dibromomethane	סא	1.0	"	
1,2-Dichlorobenzene	ND	1.0		
1,3-Dichlorobenzene	ND	1,0	11	•
1,4-Dichlorobenzene	ND	1.0	-	
Dichlorodi fluoromethane	ND	0.50	"	
1,1-Dichloroethane	ND	1.0	•	
1,2-Dichloroethane	ND	0.50	"	
1,1-Dichloroethene	ND	1.0	-	
cis-1,2-Dichloroethene	ND	1.0	11	
trans-1,2-Dichloroethene	סא	1.0	-	
1,2-Dichloropropane	ND	1.0		
1,3-Dichloropropane	ND	1.0		
2,2-Dichloropropane	ND	1.0	".	
1,1-Dichloropropene	ND	1.0	-	
cis-1,3-Dichloropropene	ND	0.50	-	
trans-1,3-Dichloropropene	ND	0.50	-	
Hexachlorobutadiene	ND	1.0		
Isopropylbenzene	ND	1.0	-	
p-Isopropyltoluene	ND	1.0		
Methylene chloride	ND	1.0	-	
Naphihalene	ND	1.0	-	
n-Propylbenzene	ND	1.0	-	
Styrene	ND	1.0	-	

SunStar Laboratories, Inc.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

02.

Project: Bodycote Technibraze-J

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman

Reported: 02/22/05 08:07

### Volatile Organic Compounds by EPA Method 8260B - Quality Control

#### SunStar Laboratories, Inc.

Analyte	Reporting			Spike	Source		%REC		RPD	
	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 5021813 - EPA 5030 GCMS										
Blank (5021813-BLK1)				Prepared .	& Analyze	ed: 02/18/0	<b>)</b> 5			
1,1,2,2-Tetrachloroethane	ИD	1.0	ug/l							
1,1,1,2-Tetrachloroethane	ND	1.0	-							
Tetrachloroethene	ИD	1.0								
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	10							
1,1.2-Trichlorgethane	ND	1.0	•							
1,1,1-Trichloroethane	ND	1.0	-							
Trìchloroethen <del>e</del>	ND	1.0								
Trichlorofluoromethane	ND	1.0	•							
1,2,3-Trichloropropane	ND	1.0	•							
1,3,5-Trimethylbenzene	ND	1,0	₩							
1,2,4-Trimethylbenzene	מא	1.0	*							
Vinyl chloride	ND	0.50								
Benzene	ND	0.50								
Toluene	ND	0.50								
Ethylbenzene	ND	0.50	H							
m,p-Xylene	ND	1.0	u							
n-Xylene	ND	0.50	-		_					
Surrogate: Toluene-d8	39.5			40.0		98.8	87.6-115			
Surrogate: 4-Bromofluorobenzene	37.0		n	40.0		92.5	80-112			
Surrogate: Dibromofluoromethane	41.0		pi	40.0		102	78.6-122			
LCS (5021813-BS1)	Prepared: 02/18/05 Analyzed: 02/19/05									
Chlorobenzene	90.1	1,0	ug/l	100		90.1	75-125			_
1,1-Dichloraethene	84.6	1.0	•	100		84.6	75-125			
Trichloroethene	92.2	1.0	n	100		92.2	75-125			
Benzene	96.3	0.50	-	100		96.3	75-125			
Toluene	96.6	0,50	77	100		96.6	75-125			
Surrogate: Toluene-d8	39.8		"	40.0		99.5	87.6-115			
Surrogate: 4-Rromofluorobenzene	37.0			40.0		92.5	80-112			
Surrogate: Dibramofluoromethane	11.4			40.0		104	78.6-122			

SunStar Laboratories, Inc.

0.12

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

# Volatile Organic Compounds by EPA Method 8260B - Quality Control SunStar Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Asino free	KCOK		Jinta	<u> </u>		ANDC	Dillitts		·	110168
Batch 5021813 - EPA 5030 GCMS										
Matrix Spike (5021813-MS1)	Source: T500194-01		Prepared: 02/18/05 Analyzed: 02/19/0			<u>1</u> : 02/19/05	_			
Chlorobenzene	96.2	1.0	ug/l	100	ND	96.2	75-125	_		_
1,1-Dichloroethene	93.6	1.0	77	100	ND	93.6	75-125			
Trichlorocthene	111	1.0	•	100	12	99.0	75-125			
Benzene	104	0.50		100	ND	104	75-125			
Toluene	105	0.50		100	1.3	104	75-125			
Surrogate: Toluene-d8	40.4		#	40.0		101	87.6-115			
Surrogate: 4-Bromofluorobenzene	37.0		-	40.0		92.5	80-112			
Surrogate: Dibromofluoromethane	41.4		-	40.0		104	78.6-122			
Matrix Spike Dup (5021813-MSD1)	Source: T500194-01			Prepared: 02/18/05 Analyzed: 02/19/05						
Chlorabenzene	94.5	1,0	սջ/۱	100	ИD	94.5	75-125	1.78	20	
1,1-Dichloroethene	89.2	1.0		100	ND	89.2	75-125	4.81	20	
Trichlaraethene	109	1,0	-	100	12	97.0	75-125	1.82	20	
Benzene	103	0.50	7	100	ND	103	75-125	0.966	20	
Teluene	103	0.50	17	100	1.3	102	75-125	1.92	20	
Surrogate: Taluene-d8	39.9		P.	40.0		99.8	87.6-115			
Surragate: 4-Bromofluorohenzene	36.1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	40.0		90.2	80-112	-		
Surragate: Dibromofluoromethane	40.7			40.0		10?	78.6-122			

SunStar Laboratories, Inc.

2-2

Project: Bodycote Technibraze-1

Project Number: 002-1027200-004 Project Manager: Jennifer Rothman Reported: 02/22/05 08:07

#### Notes and Definitions

DET Analyte DETECTED

ND Analyte NOT DETECTED at or above the reporting limit

NR Not Reported

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

SunStar Laboratories, Inc.

2.2

7 (OATE) (TIME) (DATE) FORM NO: 2001/COC/TW/ 03334 JESSICALS REMARKS RECEIVED BY (LABORATORY) CMMens ₹¥ PRINTED NAME (PRINTED NAME) (ABORATORY) SIGNATURE) (SIGNATURE) COMPANY) SAMPLER'S INITIALS; FORM で ない ANALYSES (DATE) (OATE) (TIME) (TIME) CHAIN OF CUSTODY / ANALYSES REQUEST SAMPLER (Skanarura): < (PRINTEO NAME) IPRINTED NAME RECEIVED BY: (COMPANY) (SIGNATURE) (SIGNATURE) COMPANY) 200 (OATE) (TIME) PROJECT NAME: / Linking Programmer SECTION NO. 1 TYPE 0Statistico to Ox PRINTED NAME) RECEIVED BY: ON SIGUES SET (SIGNATURE) (COMPANY) W ηJ`i  $\mathbf{N}_{i}$ FAX RESULTS TO:

RAY RESULTS TO:

SEND HARDCOPY TO:

SEND EDD TO:

SEND EDD TO:

(C) 1/6回霉素13% 光作,好到一 FAX COC CONFIRMATION TO: Time 3150 Bristol Street, Suite 250 Costa Mesa, California 92626 (714) 444-0111, Fax (714) 444-0117 SAMPLE AB REPORT NO. Date 古の二種類一つこ Cooler Temp: Cocier No: 1-120204 Lab/Shipping Copy (White) Sample ID. 147-1654 Cold Ambient Proservativo Corroca? ANALYTICAL LABORATORY EVINE FRICKE SAMPLE RECEIPT ] اند/!!الإ Dated On Ice 9 7 8 6 10 12 13 14 Ξ 5

する一大され (TIME) (OATE) (TIME) FORM NO: 2001/COC/TW/ 03333 Asstron-REMARKS RECEIVED BY (LABORATORY); ¥ PRINTED NAME) (PRINTED NAME) (LABORATORY) is a SIGNATURE) SIGNATURE) COMPANY FORM (DATE) ANAUYSES (DATE) (TIME) (TIME) LI BOR CO SCH J. SA REQUEST SAMPLER (Signalure); PRINTED NAME) PRINTED NAME RECEIVED BY: (COMPANY) SIGNATURE (SIGNATURE) COMPANY) SES CHAIN OF CUSTODY / ANALY 213/64 (DATE) (TIME) PROJECT NO. 272 00 SECTIONNO. PROJECT NAME: TYPE Field Copy (Pink) PRINTED NAME RECEIVED BY: ON SIGNES OF SIGNATURE COMPANY COMPANY FAX RESULTS TO: RR. SEND LARROCOPY TO: (8 AX COC CONFIRMATION TO: AFTHOD OF SHIPMENT: 53.7 **返**込 19. 19. 12 47 7,50 140/IF 1230 Time  $\mathcal{S}$  $\mathcal{E}$ 0) <u>श्र</u> <u>С</u> 7 File Copy (Yellow) SAMPLE 3150 Bristol Street, Suite 250 Costa Mesa, California 92626 (714) 444-0111, Fax (714) 444-0117 LAB REPORT NO.: 72 Cooler Temp: Coder No: 12/14/4-1-120207 170404 4012/-710m N. 3. 120102 10101 - 120/009 MU19-120204 11/14/2-120207 107021-01MM 702021- BUM 120/02/- 1/ COM 12407 Town MCA 3-120404 401051- CLUM 102021-1721 Sample ID. LatyShipping Copy (While) Cold Ambiest Praservaliva Correct? ANALYTICAL LABORATORY TANK THE SAMPLE RECEIPT: On Ice